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A CATALOGUE OF THE TYPE SPECIMENS OF RECENT FISHES IN THE NATURAL HISTORY MUSEUM OF STANFORD UNIVERSITY

By J. Böhlke Page 1

A MINUTE NEW HERRING-LIKE CHARACID FISH GENUS ADAPTED FOR PLANKTON FEEDING, FROM THE RIO NEGRO

By J. Böhlke Page 168

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A CATALOGUE OF THE TYPE SPECIMENS OF RECENT FISHES IN THE NATURAL HISTORY MUSEUM OF STANFORD UNIVERSITY

By J. Böhlke

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INTRODUCTION

"If you are troubled with a pride of ... and would have it completely taken ... print a catalogue!"—Robert Louis ...

...ject which finally resulted in this paper ... about two years ago for the express pur... giving order to the type material of ... the Natural History Museum of Stanford ...y. The causes of disorder were many, and ...he following: (1) with uncertain curator... in the earlier days the cataloguing and ...of type specimens was rather careless—... to mention that they were types; (2) ...ly termed holotypes were previously re...rely as "types", and both syntypes and ...are called "cotypes"; (3) type labels ...nuscript names were commonly encountered, ...dition that the names were unpublished; ...earlier partial attempts to bring or... primarily in a more upset state and ...ad of type material throughout the ...3) in the days when Dr. David Starr ...is colleagues and students were work... ...nal Museum material and returning types ...ries to that institution, exchange of ...ween Stanford and the National Museum ...ly informal and often no record was ...transfers; and (6) at the beginning of ...I a wise but necessarily hurried and ...ransfer was made of types and uniques ...n collection to a section of the base... ...ether it had become quite difficult to ... type.

...r attempted to locate all type materi... the original descriptions of species ...e the status of the material, whether ...paratypic or other; and, finally, to ...ecimens in their proper places in the ...m. The system finally decided upon in... ...ntion of holotypes, neotypes, and syn... ...special place, safer from fire, earth... ...damage, etc., in the heavily protected ... the museum building; return of para... ...eir systematic positions in the general ...n and the retention of manuscript types ...ntly established "type purgatory" until ... as the names are either published or ...

...story of the fish collections at Stan... ...history of ichthyology in America has ...its most important chapter the history ...ogy at Stanford. This has all resulted ...r Stanford's choice of David Starr Jor... ...st president of the new university. ...rdan came to Stanford from the Univer... ...iana in 1891, he brought with him both ...f ichthyologists to the faculty of the ... and the nucleus of an ichthyological ... The fishes were first housed in the ...s of the Department of Zoology, which ... were in Jordan Hall. Although the ...ctions grew rapidly in the 1890's, they ...nal curator until after the turn of the ... Edwin C. Starks held the position of ... Zoology from 1901 to 1908.

...ly morning of April 18, 1906, saw much ... the Stanford buildings as a result of ...ancisco earthquake (the San Andreas fault ...ur miles west of the campus). The fish collections took their share of the damage. More than 1,000 jars and bottles were broken although the majority survived intact. The wreckage lay on the floor, kept wet with water from hoses manned day and night by Professors Snyder and Starks, until new bottles and alcohol could be secured. An effort was made to match specimens and data, this work being done by each member of the entire ichthyological group who had most actively been working on the specimens concerned. As a result, much was saved that might have been lost, although there were numerous instances in which the material had to be discarded. In others, some doubt could not be avoided. A small printed label stating "Bottle broken during earthquake" was inserted in each bottle. Unfortunately, according to Prof. J. O. Snyder, a careless curatorial assistant later removed these labels from about half of the jars bearing them. Register numbers in the following list from bottles bearing such labels are preceded by an asterisk (*). While asterisks do not mark all the broken bottles, they at least serve as caution signals for some.

The earthquake damage caused a major change in curatorial routine. Previously, a tin tag bearing the register number was merely dropped into each bottle, together with the original paper work labels. Subsequently, a tin tag register number was tied securely to each specimen, although in recent years these have been tied to not more than a dozen specimens of larger lots of a single species from a single locality. Also, tin tags, which frequently corroded if the tin was not pure, have now been replaced by tags of a particularly tough and almost indestructible parchment paper. Finally, the old type outside neck-labels are now being replaced by inside typewritten labels.

After 1908, Starks became Assistant Professor of Zoology and a long period intervened during which there was no official curator. Much of Professor Stark's time between 1914 and 1918 was spent preparing zoological specimens for exhibition in Jordan Hall as the beginning of a departmental teaching museum. Carl L. Hubbs held the position of Mechanical Assistant in Zoology between 1914 and 1916, which position entailed considerable curatorial work. However, it is evident that there was no real curator during this time from Snyder's statement in a letter which appeared in the Annual Report of the President of Stanford University for the thirty-second academic year ending August 31, 1923: "The collections [of fishes] have grown to such proportions that they should soon be brought under regular curatorial care, to insure safe preservation, careful labeling, systematic cataloguing, and such arrangement as will render their contents available for reference."

During the academic year 1924-25 the Natural History Museum was organized and collections and research facilities were moved "temporarily" to the south wing of the Leland Stanford Junior Museum building, where they are still situated. In 1925-26 there was a fusion of the Department of Zoology and Department of Entomology, and entomological research also became centered at the Natural History Museum. Moreover, the departmental library, including the Jordan library of ichthyology, was divided between the newly established Library of Biology and that of the Natural History Museum, most of the works pertaining to systematic zoology being deposited in the Museum. In 1928, Dr. Albert W. C. T. Herre was appointed Curator of

the Zoological Museum. In 1934, through reorganization of the entire School of Biological Sciences, the Department of Zoology ceased to exist, and the Natural History Museum became an administrative unit of the School. It assumed responsibility for all natural history teaching and research. George S. Myers, who had worked with the collections as a student, was appointed to the university staff in 1936 as Associate Professor of Biology (Zoology) and Curator of the Zoological Collections, Dr. Herre assuming the title of Curator of Ichthyology. Professor Myers became full Professor and Head Curator in 1938. Dr. Herre continued as Curator of Ichthyology until he became emeritus, in 1946. Meanwhile, Miss Margaret H. Storey was appointed Assistant Curator of the Zoological Collections in 1940, though she had for several previous years been a volunteer worker in the museum.

The faculty and students in zoology at Stanford have always placed strong emphasis on field work. As a result, many expeditions were undertaken—all of which have added greatly to the size and representation of the ichthyological collections. In the earliest days of the university, following the previous practice at Indiana University, faculty and students made many trips by wagon and train throughout the Pacific Coast States and to Baja California and the Mexican mainland. In addition, the Fur Seal Investigation trips, the various *Albatross* cruises, etc., often included Stanford personnel, and Stanford ichthyologists reported on much of the material. The following is a list of some of the major expeditions which added notably to the Stanford fish collections:

1889 De Pauw University Expedition to the Hawaiian Islands. Oliver P. Jenkins.

1890 Colorado River Basin in Arizona. Charles H. Gilbert and A. B. Alexander.

1894 Expedition to Idaho. Charles H. Gilbert.

1894 Mountains of southern Arizona and northern Sonora, Mexico. William W. Price and Ray Lyman Wilbur.

1894-1895 Hopkins Expedition to Mazatlan. David Starr Jordan, George B. Culver, Edwin C. Starks, Thomas M. Williams, Norman B. Scofield, James A. Richardson, Frank H. Lamb, George B. Seward.

1895 Carmel River Expedition. Norman B. Scofield, Cloudsley Rutter, Alvin Seale, Charles J. Pierson.

1896 Panama. Charles H. Gilbert, Edwin C. Starks, Charles J. Pierson, Richard C. McGregor.

1896-1897 Central Mexico. David Starr Jordan and John O. Snyder.

1897 Baja California and the off-shore islands of Mexico. Richard C. McGregor.

1898-1899 Hopkins-Stanford Galapagos Expedition, 1898-1899. Galapagos Archipelago, Cocos Island, Clipperton Island. Edmund Heller and Robert E. Snodgrass.

1898, 1899 U.S. Fish Commission Exploration of the Sacramento-San Joaquin Basin, California. Cloudsley Rutter, Fred M. Chamber man B. Scofield, William S. Atkin

1898-1901 Andes of Ecuador, Peru and Boliv O. Simons.

1899 Branner-Agassiz Expedition to Bra C. Branner and Arthur W. Greeley.

1900 Hawaiian Islands. David Starr John O. Snyder.

1900 Japan. David Starr Jordan an Snyder.

1901 Hawaiian Islands. David Starr Jo itaro Sindo, Eric K. Jordan, Jenkins.

1902 Hawaii, Saipan, Bird and Necker *Albatross* expedition). David St Charles H. Gilbert, John O. Snyd K. Fisher.

1902 U.S. Bureau of Fisheries Survey Fish and Fisheries. David Sta Vernon L. Kellogg, Michitaro Si E. Allardice.

1904 U.S. Bureau of Fisheries Explora lakes and streams of southern northern California. John O. Sn C. Starks.

1904 Angara and Irkutsk Rivers, the Lake Baikal, at Irkutsk, Siberia Abbott.

1906 *Albatross* 1906 North Pacific cru Riukiu Archipelago, Aleutian Is chatka. Charles H. Gilbert, Jo Walter K. Fisher.

1907 Naples, Italy. Edwin C. Starks

1909 U.S. Bureau of Fisheries Explor streams tributary to Monterey ornia. John O. Snyder, Will Carl H. Gilbert.

1911 U.S. Bureau of Fisheries Explor Lahontan System of Nevada and California. John O. Snyder and ardson.

1911 Japan and Korea. David Starr J

1911 Stanford Expedition to Brazi Branner, Harold Heath, Edwin William M. Mann, Fred Baker, kins, Earl Leib, George C. Bra

1914 World cruise, including Austra lon. David Starr Jordan an Fisher.

1918 Barbados-Antigua Expedition University of Iowa, C. C. Nutti Walter K. Fisher.

1919 U.S. Bureau of Fisheries Explo Bonneville Basin of Utah and O. Snyder and Carl L. Hubbs.

ian Islands. David Starr Jordan.

. David Starr Jordan.

ian Islands. Eric K. Jordan.

sea and shore fishes from various ex- itions in the Atlantic and Pacific s. New York Zoological Society under irection of William Beebe. While there no connections between these expedi- and Stanford at the time, the collec- were recently presented to the uni- ty.

Pacific Expedition of the Field Muse- Haiti, Panama, Cocos Island, Galapagos pelago, Marquesas, Tuamotus, Society ds, Fiji Islands, New Hebrides, Solo- New Britain, New Guinea, Waigiu, Mo- s, Celebes, Borneo, Sangir Islands, ppine Islands. Albert W. C. T. Herre.

ition to the Mexican border and West . Gregory M. Kranzthor and George S. .

ition to Death Valley. George S. Myers oseph H. Wales.

Zone, Panama. Richard C. Blackwelder heodore O. Zschokke.

rt W. C. T. Herre Philippine Expedition. ppine Islands, China, Hainan Island.

d trip. Marianas, Pelews, Celebes, ppines, China, Malaya, Ceylon, British Africa, Zanzibar, Natal, Cape Town, l, Argentina. Albert W. C. T. Herre.

s, Peru (a number of collections at erent times). William G. Scherer.

ida. Margaret H. Storey.

an Archipelago, Shanghai, south China, ippines, British North Borneo, Sarawak, ya, Burma, Ganges delta, Hong Kong, n. Albert W. C. T. Herre.

ock Expedition (a *Velero III* expedi-). Cocos Island, Galapagos, Peru, Ec- r, Colombia, Panama. George S. Myers.

zuela. Franklyn F. Bond of the Univer- of Rochester. While Dr. Bond had no ct contact with Stanford at the time is expedition, most of the fresh-water es were later presented to the Museum.

ker-Stanford Deep-Sea Expedition, Cali- ia Coast, aboard the *Zaca*. George S. s, Rolf L. Bolin, Alexander J. Calhoun, l S. Herald, William A. Gosline, E. neth Stanton.

sissippi, Missouri and Colorado Rivers Minnesota, South Dakota and Wyoming. ge S. Myers and William A. Gosline.

1939 Central America to Costa Rica (a California Division of Fish and Game trip on the *N. B. Scofield*). Rolf L. Bolin.

1939-1940 Islands off southern California and Baja California. Vernon E. Brock.

1940-1941 Philippine Islands, Malaya, Burma, India, Hong Kong. Albert W. C. T. Herre.

1941 Southwestern Arizona, northeastern Sonora including Puerto Peñasco on the Gulf of California. John Poindexter and party of 9 including Alexander J. Calhoun and Margaret H. Storey.

1941 Coastal plain of the State of Rio de Janeiro, Brazil. Lt.-Col. and Mrs. Thomas D. White. While not a Stanford trip, the Whites later presented their collection to Stanford.

1942-1944 Brazil. George S. Myers.

1943-1944 Ecuador. Ira L. Wiggins.

1946 Baja California. Ira L. Wiggins, A. M. Vollmer, Harold M. Hill, Telford H. Work.

1947 Bikini Scientific Resurvey, U.S. Navy. George S. Myers.

1947 Persian Gulf. Telford H. Work.

1948 Puerto Peñasco area, Sonora, Mexico. Natural History Club of Stanford University—party of 36.

1949 San Quintín area, Baja California. Natural History Club of Stanford University—party of 38.

1949 New Zealand. George S. Myers.

1949 Point Barrow, Alaska. Ira L. Wiggins.

1950 Point Barrow, Alaska. Ira L. Wiggins.

1950 Ecuador. John and Ann Funkhouser.

1950 Guaymas Expedition, Guaymas, Sonora, Mexico. Giles W. and Nancy W. Mead, and Norman J. and Diana V. Wilimovsky.

1950 Crescent City area, California. Giles W. and Nancy W. Mead, James Böhlke, Eugenia L. Brandt, Norman J. and Diana V. Wilimovsky, Jay M. Savage, John C. Briggs.

1950, 1951 Panama. William T. Miller.

1951 Point Barrow, Alaska. Ira I. Wiggins, Norman Wilimovsky, James Böhlke.

1952 Japan. Giles W. Mead.

1952 Mexico, Central America. William T. Miller.

1952 Point Barrow, Alaska. Ira L. Wiggins,

George E. Lindsay, Donald E. Wohlschlag, H. Adair Fehlmann, Daniel M. Cohen, Norman J. and Diana V. Wilimovsky.

1952 Baja California, islands of the Gulf of California (an *Orca* expedition). George E. Lindsay, James Böhlke, Jay M. Savage, Frank S. Cliff, Daniel M. Cohen, John P. Figg-Hoblyn, Reid Moran, William C. Steere, Jon Lindbergh.

1953 Rio Esmeraldas System, Ecuador. Gustavo Orcés.

Different lots of fishes sent up at various times from the California State Fisheries Laboratory, Terminal Island, California.

Collections of fishes periodically sent up from the Hopkins Marine Station, Pacific Grove, California, by Prof. Rolf L. Bolin.

The following collections were made during the last world war:

New Guinea and the Philippine Islands. Stanley S. Jewett, Jr.

New Guinea and the Philippine Islands. Oliver B. Cope.

New Guinea. Earl S. Herald.

Morotai. Gen. Thomas D. White.

In addition to the above sources of specimens for the Stanford museum, important exchanges have been completed with the Australian Museum, the California Academy of Sciences, the Carnegie Museum and the Zoological Survey of India. Also, the following major purchases of fishes were made by the museum:

Deep-sea fishes of the Sagami Sea collected by Alan Owston aboard the *Golden Hind* and purchased from him in Tokyo for the university by Charles H. Gilbert during the 1906 *Albatross* cruise.

Fishes from the port of Swatow, China, collected by Miss Adele M. Fielde, a resident missionary, and sent to Indiana University in 1885. Stanford later purchased the fishes while still unworked.

Cameroon fresh-water fishes and marine fishes from Cameroon, Gold Coast and Dakar purchased from the Rev. A. I. Good who collected them in 1936-1941.

Fresh-water fishes from southern Peru, purchased from Hilda Hempl Heller, who collected them in 1951.

The fish collections at Stanford are now estimated to contain well over half a million identified specimens, as well as types for 1,845 published names. As stated by Professor Myers, the Museum's policy in the acquisition of specimens is the building up of a representative world collection of fishes and not the amassing of large seri one species. This is designed to permit studies of anatomy and phylogenetic relat rather than intensive work on speciation.

The limitations of this type list. all, due largely to the poor concentra labeling of type material already mentio present list cannot be considered comp final to date. More types doubtless will and the absence from this list of a type ably at Stanford must not be taken as evi its permanent loss. The types listed in logue are all that could be found by s the Stanford registers and of the collect ing a two-year period. In recent years blue and red cloth ribbons have been used cate holotypes and paratypes, respecti they were more easily found than the earli The latter had outside neck labels of a not easily distinguished from those of th collection. A third type of outside la during the period between the two just m had a fine red line around its edges, wh faded.

Also, there are several types of si which may have caused error in this list most among these are the specimens called For many of them, later type designati been found which changed their status; it possible that other such designations ex were not found and which would change t of specimens that are here still called Secondly, many of the place names mention text are now obsolete. The data herein we ly taken from the original description, ford register and notes in the bottles the terminology and spelling of the tim erally followed. Finally, no redeteri were made of type specimens; they appea originally described. While many rede tions could easily have been made, t others that would have taken much time decided that consistency should be maint no wholesale change of names on such a l should be attempted.

The system followed utilizes the ord familiar through long use (by Gill, Jord etc.) to ichthyologists everywhere. T order-of-precedence is largely that of B Classification of fishes, both recent a Trav. Inst. Zool. Acad. Sci. U.R.S.S. livr. 2, pp. 87-517, text-figs. 1-190 several emendations.

Type designations used in this pap the type concept in zoology has not bec standardized, the type designations us paper are here defined:

(1) *Holotype*—Any single specimen ide "holotype" or "type" by length, photogr ber in the original description; or, scription merely mentions a "type" exis out stating any number, length, or oth guishing feature), the specimen in the which is marked as type is considered th If the original description was based specimen, it, of course, automatically holotype.

(2) *Syntype*—Any specimen of a seri

the original description from which no specimen was selected as type, or, if no specimen has subsequently been selected as

paratype—Any specimen of the series (in species where a holotype was selected) upon which was based the species expressed in the original description were based—other than the holotype, even if not specifically mentioned in the description, specimens are here considered to be paratypes if there is any indication of their having been utilized by the describer previous to publication of the original description. Such indication may be in the form of notations in the describer's bottle, specimens from the same series may be mentioned as types, or specimens the describer is reasonably certain the original describer may have examined before the date of publication of the new name. This paratype concept is not accepted by some workers, who insist that paratypes as well as holotypes must be definitely designated in the original description. Until rather recently, very few paratypes have ever been designated; rather, there would be statements like the following: "The material was also taken at Wakanoura, Tokyo and Nagasaki." In instances like this the specimens from Wakanoura, Tokyo and Nagasaki, if found and were not from the expedition reported on, are considered paratypes. The primary reason for such rejection of paratypes is that they have no nomenclatural significance according to the International Rules of Zoological Nomenclature, as revised at the Paris meetings, 1948 (see 1950, Bull. Zool. Nomenclature, vol. 4, pts. 7/9, pp. 185-188), but merely convenient as systematic tools—often very important and useful ones. They can be redistributed, exchanged and borrowed for study when making systematic comparisons. The source of error still exists in the possibility that more than a single form is present in the type series, a worker can usually estimate the degree of error by evaluating the general carefulness of the describer. The problem of studying series of paratypes from widely separated localities with the possibility that future work may show the necessity of subspecific divisions within the type material is no real problem at all. The paratypes of one species can easily become types of another. The situation does exist, however, in which a subspecies describer may not wish all the specimens he examined to be considered types (e.g. intergrades). But subspecies for fishes are for the most part more or less contemporary and a modern description should cover such instances.

(4) *Lecto-holotype*—The single specimen which has been selected as the holotype from a syntypic series, subsequent to the time of publication of the new name.

(5) *Lecto-paratype*—Any specimen of the original syntypic series left after a lecto-holotype is designated. These need not be specifically designated to attain lecto-paratype status, but are all the remaining specimens.

Acknowledgments. To Prof. George S. Myers and Miss Margaret Storey go the writer's most sincere thanks for the editorial work on this paper; to Prof. Myers special thanks for historical and systematic information, and to Miss Storey for various information and a tremendous amount of help with the dull routine work which forms such a great proportion of a project of this kind. Miss Storey's time and interest in the paper cannot be overemphasized. The writer is indebted to Mr. Giles W. Mead of Stanford who assisted greatly during one phase of the work. Mr. Mead and the writer originally intended doing this paper together, but because of the former's other duties, this plan was never realized. Thanks go to Dr. Leonard P. Schultz of the U.S. National Museum, Dr. Rolf L. Bolin of Stanford University, and Dr. Albert W. C. T. Herre of the University of Washington, for information on certain types; also to the writer's wife for assistance with proof-reading and typing; to Dare Stark McMullin for reading the final proof; and finally, to all the graduate students in the Natural History Museum for various types of assistance at different times.

This paper was completed March 31, 1953.

"I truly believe that in the [Stanford Natural History Museum] there is abundance of infinitely admirable things, *whereof God alone hath knowledge.*"—modified after Laurent Vital in *Voyage de Charles Quint*, 1518.

Subphylum ACRANIA

Class CEPHALOCHORDATA

Order LEPTOCARDII

Family BRANCHIOSTOMATIDAE

BRANCHIOSTOMA BERMUDAE Hubbs 1922, Occas. Papers Mus. Zool. Univ. Michigan, no. 105, p. 9.

Paratypes (2): SU 24790; the Flatts, Bermuda. Collector: Bermuda Biological Station and presented by W. J. Crozier; May 16, 1916.
Holotype: Univ. Michigan Mus. Zool. 55145.

BRANCHIOSTOMA NAKAGAWAE Jordan and Snyder 1901, Proc. U.S. Nat. Mus., vol. 23, no. 1233, p. 726.

Holotype: SU 6651; Misaki, Japan (probably from the lot of specimens taken in Koájiro Bay, just north of Misaki). Collector: Kumakichi Aoki.

Subphylum CRANIATA

Superclass AGNATHA

Class MONORHINA

Order HYPEROTRETA

Family MYXINIDAE

POLISTOTREMA DEANI Evermann and Goldsborough 1907, Bull. U.S. Bureau Fish., vol. 26 for 1906, p. 225, fig. 1.

Paratype (1): SU 20012; Station 4238 in Behm Canal off Nose Point, Alaska (Nose Point, S. 66° E., 1.6 miles); 229-231 fathoms. Collector: "Albatross": July 8, 1903.
Holotype: U.S. Nat. Mus. 57820.

MYXINE GARMANI Jordan and Snyder, 1901, Proc. U.S. Nat. Mus., vol. 23, no. 1233, p. 731.

Lecto-holotype: SU 6665; Misaki, Sagami, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. The original description has the following to say about the types: "Described from three specimens, the largest 19½ inches long, in fine condition, the others injured, all taken off Misaki, where the species is rather common." The Stanford specimen is 19½ inches long and is referred to as "Type" in the register; therefore it is here designated lectotype of the species.

Superclass GNATHOSTOMATA

Class CHONDRICHTHYES

Order SELACHII (PLEUROTREMATA)

Family HEXANCHIDAE

HEPTRANCHIAS DEANI Jordan and Starks 1901 California Acad. Sci., ser. 3, vol. 2, p. 384, fig.

Holotype: SU 12620; hook and line in dee off Misaki, Japan. Collector: Kumakichi A

Family ISURIDAE

LAMNA DITROPIS Hubbs and Follett 1947, Cop 3, p. 194.

Paratype (1): SU 40900—parts of about a specimen as follows: 1 bottle containing 1 centra; 1 bottle containing two sections from the caudal peduncle, in formalin; containing skin from the upper edge of th base, in alcohol; 1 bottle containing a pi of the specimen; from about two miles off Point, San Francisco Bay, California. Col Sam Franicevich and party; February 3, 194 *type* (1): SU 40901—in one bottle: a piece skin from middle of side; 8 upper teet lower teeth; from southern California. via Richard Croker from the commercial fi May 21, 1942. While these specimens were cifically mentioned as paratypes in the description they are considered as such, Hubbs had the manuscript name on them be publication of the description.
Holotype: Mus. Comp. Zool. Harvard 3647

Family SCYLIORHINIDAE

CATULUS CEPHALUS Gilbert 1892, Proc. Mus., vol. 14, no. 880, p. 541.

Syntype (1): SU 293; Station 3007, Gul ifornia (25° 27' 30" North Latitude, 11 West Longitude); 362 fathoms. Collecto tross"; March 17, 1889.

CATULUS XANIURUS Gilbert 1892, Proc. Mus., vol. 14, no. 880, p. 540.

Syntypes (3): SU 259; Station 3045, California, México (26° 24' North Lati 49' West Longitude); 184 fathoms. Colle batross"; April 10, 1889. These speci be considered paratypes because of the in the original description: "Describe from a female, 23 inches long, with well eggs." None of the above specimens fit scription.

CEPHALOSCYLLIUM UMBRATILE Jordan and Fe Proc. U.S. Nat. Mus., vol. 26, p. 602, fig. 1.

: SU 12693; Nagasaki, Japan. Collector: This specimen is a stuffed dried skin.

EASTMANI Jordan and Snyder 1904, Smith-n Misc. Colls. (Quarterly Issue), vol. o. 1447, p. 230, pl. 60.

e: SU 7740; off Izu, Japan Collector: n.

S SAUTERI Jordan and Richardson 1909, Carnegie Mus., vol. 4, no. 4, p. 160, 53, fig. 1.

aratypes (4): SU 21261; port of Takao, on western coast of the island of Formosa. Dr. Hans Sauter; 1906. While no type nated in the original description, Henn . Carnegie Mus., vol. 19, no. 1, p. 51, Type, no. 219, Takao, Formosa; Hans Sau-ce the original description was based on ns and Stanford has four of these, Car-. 219 may contain two specimens—making till syntypes. However, if 219 contains ngle "Type", the present designation is The Stanford specimens are called co-he register.
olotype: Carnegie Mus. 219—now in the t. Hist. Mus.

IAEIS ACRALES Jordan and Snyder 1904, nsonian Misc. Colls. (Quarterly Issue), 45, no. 1447, p. 232, pl. 62.

e: SU 12903; off Toi in Suruga Bay, Japan. : Alan Owston; September 4, 1903.

Family CARCHARHINIDAE

N SITANKAIENSIS Herre 1934, The Fishes of Herre Philippine Expedition of 1931, spaper Enterprise Ltd., Hong Kong, p.

pe: SU 13601; Sitankai, Sibutu Islands, lipelago, Philippine Islands. Collector: C. T. Herre; August 12, 1931.

NUS GERDALE Gilbert, in: Jordan and Ever-1898, Bull. U.S. Nat. Mus. No. 47, part p. 2746.

e: SU 11884; Panamá. Collectors: Charles rt et al; 1896. *Paratype* (1): SU 12865; tly as for holotype. *Paratype* (1) SU ta exactly as for holotype. *Paratype* (1): ; data exactly as for holotype.

NUS VELOX Gilbert; in: Jordan and Evermann , Bull. U.S. Nat. Mus. No. 47, part 3, p. .

e: SU 11893; Panamá. Collectors: Charles rt et al; 1896.

CARCHARIAS AZUREUS Gilbert and Starks 1904, Mem. California Acad. Sci., vol. 4, p. 11, pl. 2, fig. 5.

Holotype: SU 11890; Panamá. Collectors: Charles H. Gilbert et al; 1896.

CARCHARIAS GALAPAGENSIS Snodgrass and Heller 1905, Proc. Washington Acad. Sci., vol. 6, p. 343.

Paratype (1): SU 12325; Galápagos Islands. Collectors: Edmund Heller and Robert E. Snodgrass; 1898-1899. *Holotype*: SU 12324; not found at present.

CARCHARIAS INSULARUM Snyder 1904, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 513, pl. 1, fig. 1.

Paratype (1): SU 12788; Station 3815, off Diamond Head, Oahu, Hawaiian Islands (Diamond Head Light, N. 18°, W. 3.2'); 228-312 fathoms. Collector: "Albatross"; March 28, 1902. *Paratype* (1): SU 12789; data as for above paratype.
Holotype: U.S. Nat. Mus. 50859.

CARCHARIAS NESIOTES Snyder 1904, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 514, pl. 1, fig. 2.

Paratype (1): SU 12790; Laysan Island, Hawaiian Islands. Collector: "Albatross"; spring or summer of 1902. This specimen was originally catalogued as no. 2630. *Paratype* (1): SU 32027; Station 3902 off the northern coast of Molokai, Hawaiian Islands (Mokapu Islet, S. 76° 30', W. 9.4'); 138-165 fathoms. Collector: "Albatross"; April 30, 1902. This paratype consists of a pair of jaws.
Holotype: U.S. Nat. Mus. 50860.

CARCHARIAS PHORCYS Jordan and Evermann 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 163.

Paratypes (3): SU 12715; Honolulu, Hawaiian Islands. Collectors: David Starr Jordan and Barton W. Evermann; 1901.
Holotype: U.S. Nat. Mus. 50612.

EULAMIA (PLATYPODON) PLATYRHYNCHUS Gilbert 1892, Proc. U.S. Nat. Mus., vol. 14, no. 880, p. 543.

Syntype (1): SU 11556; Clarion Island, México. Collector: "Albatross"; 1888-1889.

Family SPHYRNIDAE

SPHYRNA CORONA Springer 1940, Stanford Ichthyological Bull., vol. 1, no. 5, p. 163, fig. 4.

Holotype: SU 11882; Panamá. Collectors: Charles H. Gilbert et al; 1896.

SPHYRNA MEDIA Springer 1940, Stanford Ichthyological Bull., vol. 1, no. 5, p. 162, fig. 3.

Holotype: SU 11583; Mazatlán, Sinaloa, México.

Collectors: David Starr Jordan and party on the Hopkins Expedition; December 24, 1894-January 25, 1895.

SPHYRNA VESPERTINA Springer 1940, Stanford Ichthyological Bull., vol. 1, no. 5, p. 161, fig. 2.

Holotype: SU 11584; Panamá City, Panamá. Collectors: Charles H. Gilbert et al; 1896. The register gives this specimen as from Mazatlán. *Paratype* (1): SU 11881; data exactly as for holotype.

Family SQUALIDAE

CENTROSCYLLIUM RITTERI Jordan and Fowler 1903, Proc. U.S. Nat. Mus., vol. 26, no. 1324, p. 635, fig. 6.

Holotype: SU 7185; Misaki, Sagami, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900.

CENTROSCYLLIUM RUSCOSUM Gilbert 1905, Bull. U.S. Fish Comm., vol. 23 for 1903, part 2, sect. 2, p. 580, fig. 230.

Paratype (1): SU 8642; Station 3989, vicinity of Kauai Island, Hawaiian Islands (Hanamaulu warehouse, S. 33°, W. 9.5'); 385-733 fathoms. Collector: "Albatross"; June 11, 1902.
Holotype: U.S. Nat. Mus. 51585.

ETMOPTERUS LUCIFER Jordan and Snyder 1902, Proc. U.S. Nat. Mus., vol. 25, no. 1279, p. 79, fig. 1.

Holotype: SU 6863; Misaki, Sagami, Japan. Collector: Alan Owston. *Paratypes* (4): SU 7832; data exactly as for holotype. The above is the type designation given in the Stanford Museum. While it is true that the original description did not definitely designate a type specimen, the only catalogue number mentioned there is 6863 and only one specimen bears that number in the Stanford collections.

PHAENOPOGON BARBULIFER Herre 1935, Copeia, no. 3, p. 123, fig. 1.

Holotype: SU 13901; dredged from Misaki Bay, Japan. Collector: Alan Owston; 1906.

PSEUDOSCYMNUS BOSHUENSIS Herre 1935, Copeia, no. 3, p. 124, fig. 2.

Holotype: SU 29535; Boshu, Sagami Bay, Japan. Collector: Alan Owston; March 21, 1906.

SQUALUS MITSUKURII Jordan and Snyder, in: Jordan and Fowler, 1903, Proc. U.S. Nat. Mus., vol. 26, no. 1324, p. 629, fig. 3.

Holotype: SU 12793; Misaki, Sagami, Japan. Collectors: David Starr Jordan and John O. summer of 1900. *Paratypes* (8): SU exactly as for holotype (young, some of bryos from the holotype). *Paratype* (1): data exactly as for holotype. *Paratype* 7184; Aomori, Japan. Collectors and dat holotype. The number 7184 given for the in the original description is in error tains to a paratype. It is a small s whereas the type is supposedly 28½ inches.

Order BATOIDEI (HYPOTREMATA)

Family RHINOBATIDAE

RHINOBATUS STELLIO Jordan and Rutter 189 Acad. Nat. Sci. Philadelphia, p. 91.

Syntype (1): SU 11828; Kingston, Jamai Indies. Collector: Rev. Joseph S. Rober *Syntype* (1): SU 11829; data as for the abo *type* (1): SU 11851; data as for the above.

Family PRISTIDAE

PRISTIS ZEPHYREUS Jordan and Starks, in 1895, Proc. California Acad. Sci., vol. 5, p. 383.

Holotype: SU 12670 (skin); mouth of Presidio, Sinaloa, México. Collectors: Da Jordan and party on the Hopkins Expediti ber 24, 1894-January 25, 1895.

Family RAJIDAE

RAJA TENGU Jordan and Fowler 1903, Proc. Mus., vol. 26, no. 1324, p. 654, fig

Holotype: SU 12912 (mistakenly 7138 in inal description); Matsushima Bay, Sendai

Family DASYATIDAE

DASYATIS SCIERA Jenkins 1903, Bull. U Comm., vol. 22 for 1902, p. 421.

Paratype (1): SU 13009; Honolulu, Haw lands. The register states that this sp collected by John O. Snyder, but it sh been collected by the Fur Seal Commiss one collected by Snyder is the holotype be at the U.S. National Museum. Either er is in error, or the specimens hav switched.

PTEROPLATEA RAVA Jordan and Starks, i 1895, Proc. California Acad. Sci. vol. 5, p. 390.

SU 11587; astillero at Mazatlán, Sino. Collectors: David Starr Jordan and Hopkins Expedition; December 24, 1894-1895.

GOODEI Jordan and Bollman 1890, Proc. Nat. Mus., vol. 12, no. 770, p. 151.

(1): SU 411; Station 2797 off Panamá 'North Latitude, 78° 51' West Longi- Fathoms. Collector: "Albatross"; March

U.S. Nat. Mus. 41150.

ROGERSI Jordan and Starks, in: Jordan Proc. California Acad. Sci., ser. 2, 5, p. 388.

SU 11700; in the astillero, Mazatlán, éxico. Collectors: David Starr Jordan on the Hopkins Expedition; December 24, ry 25, 1895.

UMBRIFER Jordan and Starks, in: Jordan Proc. California Acad. Sci., ser. 2, 5, p. 389.

e: SU 2948; Mazatlán, Sinaloa, México. s: David Starr Jordan and party on the pedition; December 24, 1894-January 25, atypes (2): SU 2914; data exactly as for pe The original description mentions 4 the uterus of which these 2 specimens rm a part, except that no. 2948 is too e the parent.

Family MYLIOBATIDAE

IS ASPERRIMUS Gilbert, in: Jordan and mann 1898, Bull. U.S. Nat. Mus. No. 47, 3, p. 2754.

e: SU 11895; Panamá. Collectors: Charles t et al; January-February, 1896.

Family TORPEDINIDAE

ENTEMEDOR Jordan and Starks, in: Jordan 5, Proc. California Acad. Sci., ser. 2, 5, p. 387.

e: SU 11699; estuary at Mazatlán, Sinaico. Collectors: David Starr Jordan and he Hopkins Expedition; December 24, 1894-25, 1895.

Class TELEOSTOMI
(TELEICHTHYES, including ACTINOPTERYGII)

Order ISOSPONDYLI

Family ALBULIDAE

ALBULA VIRGATA Jordan and Jordan 1922, Mem. Carnegie Mus., vol. 10, no. 1, p. 6, pl. 1, fig. 1.

Paratype (1): SU 23288; Honolulu, Hawaiian Islands. Collector: David Starr Jordan; August, 1921 (the Stanford register says collected by Oliver P. Jenkins in 1889).
Holotype: Carnegie Mus. 3896—now in the Chicago Nat. Hist. Mus.

Family CLUPEIDAE

ALOSA OHIENSIS Evermann 1902, Rept. Comm. Fish and Fish. for the year ending June 30, 1901, part 27, p. 277, figs. 1 and 2.

Paratype (1): SU 12672; the falls of the Ohio River. Collector: James Sowders. *Paratype* (1): SU 12673; data exactly as for the preceding.
Holotype: U.S. Nat. Mus. 50469.

CORICA PERAKENSIS Herre 1936, Bull. Raffles Mus., no. 12, p. 5, pl. 1.

Holotype and 9 *paratypes*—mixed: SU 30976; Perak River, Perak, Federated Malay States. Collector: W. Birtwistle; 1935.

DUSSUMIERIA STOLIFERA Jordan and Gilbert 1884, Proc. U.S. Nat. Mus., vol. 7, no. 402, p. 25.

Paratypes (2): SU 3265; Key West, Florida. Collector: David Starr Jordan; December, 1883. **Paratypes* (80): SU 1865; data as for above paratypes.
Holotype: U.S. Nat. Mus. 34964.

ETRUMEUS ACUMINATUS Gilbert 1890, Proc. U.S. Nat. Mus., vol. 13, no. 797, p. 56.

**Syntypes* (2): SU 217; San Luis Gonzáles Bay, México. Collector: "Albatross"; 1889. *Syntypes* (2): SU 2470; Station 3012, Gulf of California (28° 16' North Latitude, 111° 54' West Longitude); 22 fathoms. Collector: "Albatross"; March 23, 1889.

HARENGULA LATULUS Valenciennes, in: Cuvier and Valenciennes 1847, Histoire Naturelle des Poissons, vol. 20, p. 280.

Lecto-paratype (1): SU 32769; Dieppe (?), France. From the Paris Museum; collected before 1827. This specimen bears the following tag: "*Harengula latulus* C and V Blanquette de Dieppe par M. Valenciennes 1827 no. 3236 Coll. Mus." Storey 1938, Stanford Ichthyological Bull., vol. 1, no. 1, p. 37, calls the above specimen a cotype (syntype). However, Bertin 1940, Bull. Paris Mus., ser. 2, vol. 12, no. 6, p. 289, calls the remaining specimens paratypes, making them and the Stanford

*—Bottle broken during earthquake. —see p. 3.

specimen lecto-paratypes (since no type was designated in the original description). He says nothing of a holotype, and if he is wrong and all are actually syntypes, then the Stanford specimen will also be a syntype.

HARENGULA MAJORINA Storey 1938, Stanford Ichthyological Bull., vol. 1, no. 1, p. 32, figs. 9, 12, and 17.

Holotype: SU 31742; Santos, Brazil. Collector: Albert W. C. T. Herre; June, 1934. *Paratype* (1): SU 32768; data exactly as for holotype.

POMOLOBUS? MELANOSTOMUS Eigenmann 1907, Proc. Washington Acad. Sci., vol. 8, p. 452, pl. 23, fig. 6.

Paratypes (7): SU 36026; Buenos Aires, Argentina. Collector: William B. Scott.
Holotype: in the collections of Princeton University.

RHINOSARDINIA SERRATA Eigenmann 1912, Mem. Carnegie Mus., vol. 5, p. 445, pl. 62, figs. 3 and 4.

Paratypes (3): SU 21972; Mora Passage, British Guiana. Collector: S. E. Shideler; 1908.
Holotype: Carnegie Mus. 2443—now at the Chicago Nat. Hist. Mus.

Family ENGRAULIDAE

ANCHOVIA APIENSIS Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 187, fig. 3.

Paratypes (3): SU 8731; shore inside the reef at Apia, Samoa. Collectors: David Starr Jordan and party; summer of 1902.
Holotype: U.S. Nat. Mus. 51720.

ANCHOVIA EVERMANNI Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 188, fig. 4.

Paratypes (3): SU 8730; Apia, Samoa. Collectors: David Starr Jordan and party; summer of 1902.
Holotype: U.S. Nat. Mus. 51719.

ANCHOVIA PALLIDA Starks 1913, The Fishes of the Stanford Expedition to Brazil, Leland Stanford Jr. Univ. Publ., Univ. Ser., p. 9, pl. 1.

Holotype: SU 22216; market at Pará, Brazil. Collector: Edwin C. Starks; summer of 1911.

CETENGRAULIS ENGYMEN Gilbert and Pierson, in: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 3, p. 2815.

Syntypes (16): SU 5815; Panamá Bay, Panamá. Collectors: Charles H. Gilbert et al; J... February 24, 1896.

COILIA ECTENES Jordan and Seale 1905, P... Nat. Mus., vol. 29, no. 1433, p. 51

Paratype (1): SU 9795; Shanghai, China tor: Pierre L. Jouy; winter of 1882-188...
Holotype: U.S. Nat. Mus. 52077.

SETIPINNA GILBERTI Jordan and Starks 19... U.S. Nat. Mus., vol. 28, no. 1391 fig. 1.

Paratype (1): SU 8659; Ninsen, Korea. to Stanford by the Imperial Museum of Tok (The Stanford register lists the localit ea or Japan" and gives the collector as Jouy").
Holotype: U.S. Nat. Mus. 37766.

STOLEPHORUS ASTILBE Jordan and Rutter 1... Acad. Nat. Sci. Philadelphia, p. 95

Syntypes (92): SU 4854; Kingston, Jama lector: Joseph S. Roberts; about 1896.

STOLEPHORUS MUNDEOLUS Gilbert and Pie... Jordan and Evermann 1898, Bull. Mus. No. 47, part 3, p. 2812.

Syntypes (2): SU 5817; Panamá. Co Charles H. Gilbert et al; January 10-Fe 1896. *Syntypes* (10): SU 6840; data as syntypes. While it appears that a lect ignation was made by Gilbert and Starks California Acad. Sci., vol. 4, p. 5, two are present under the number listed.

STOLEPHORUS NASO Gilbert and Pierson, and Evermann 1898, Bull. U.S. Nat. 47, part 3, p. 2813.

Syntypes (10): SU 5816; Panamá. Co Charles H. Gilbert et al; January 10-Fe 1896.

STOLEPHORUS RASTRALIS Gilbert and Pie... Jordan and Evermann 1898, Bull. Mus. No. 47, part 3, p. 2811.

Lecto-holotype: SU 5812; Panamá. Co Charles H. Gilbert et al; January 10-Fe 1896. *Lecto-paratypes* (116): SU 5813 actly as for lecto-holotype. *Lecto-* (177): SU 6904; data exactly as for lect While no type was designated in the ori cription, Gilbert and Starks 1904, Mem. Acad. Sci., vol. 4, p. 5, give SU 5812 f —this amounting to a lectotype designat

STOLEPHORUS ROBERTSI Jordan and Rutter Acad. Nat. Sci. Philadelphia, p. 9

Holotype: SU 4853; Kingston, Jamaica tor: Joseph S. Roberts; about 1896.

SCOFIELDI Jordan and Culver, in: Jor-
95, Proc. California Acad. Sci., ser.
5, p. 410.

(10): SU 2941; from the astillero at
inaloa, México. Collectors: David
and party on the Hopkins Expedition;
1894-January 25, 1895.

STARKSI Gilbert and Pierson, in: Jor-
d Evermann 1898, Bull. U.S. Nat. Mus.
, part 3, p. 2813.

(108): SU 5814; Panamá. Collectors:
Gilbert et al; January 10-February 24,

ADELAE Rutter 1897, Proc. Acad. Nat.
hiladelphia, p. 65.

(8): SU 1565; Swatow, Kwangtung Prov-
a. Collector: Adele M. Fielde; sent to
versity in 1885 from which it was pur-
Stanford while the material was still

Family ALEPOCEPHALIDAE.

LUS TENEBROSUS Gilbert 1892, Proc. U.S.
Mus., vol. 14, no. 880, p. 545.

(1): SU 54; Station 2936, off southern
(32° 49' North Latitude, 117° 27' 30"
tude); 359 fathoms. Collector: "Alba-
bruary 4, 1889. *Syntype* (1): SU 5306;
23, off southern California (32° 40' 30"
tude, 117° 31' 30" West Longitude); 822
. Collector: "Albatross"; January 19, 1889.

ONDERI Herre 1935, Copeia, no. 3, p. 126.

: SU 13907; Sagami Sea, Japan. Collector:
m; March 22, 1906.

Family SALMONIDAE

US ALASCANUS Scofield, in: Jordan and
mann 1898, Bull. U.S. Nat. Mus. No. 47,
3, p. 2817.

(1): SU 21194; fresh water at Grantley
ort Clarence, Alaska. Collectors: Norman
ld and Alvin Seale; summer of 1896. *Syn-*
: SU 5611; salt water at Point Hope, A-
llectors and date as for above syntype.

MUS ERIENSIS Jordan and Evermann 1909,
c. U.S. Nat. Mus., vol. 36, no. 1662,
165, fig. 1.

e (1): SU 13083; Lake Erie at Port Stan-
rio, Canada. Collectors: David Starr Jor-
Barton W. Evermann; summer of 1908.

Holotype: U.S. Nat. Mus. 62515.

ARGYROSOMUS HURONIUS Jordan and Evermann 1909, Proc. U.S. Nat. Mus. vol. 36, no. 1662, p. 167, fig. 2.

Paratype (1): SU 13082; Port Stanley, Ontario, Canada. Collectors: David Starr Jordan and Barton W. Evermann; July 29, 1908.
Holotype: U.S. Nat. Mus. 62516.

ARGYROSOMUS ZENITHICUS Jordan and Evermann 1909, Proc. U.S. Nat. Mus., vol. 36, no. 1662, p. 169, fig. 3.

Paratype (1): SU 13084; deep water off Isle Royale, Lake Superior (the Stanford register gives Duluth, Minnesota). Collector: J. Coventry; September, 1908.
Holotype: U.S. Nat. Mus. 62577.

COREGONUS ABYSSICOLA Snyder 1919, Bull. U.S. Bureau Fish., vol. 36 for 1917-1918, p. 8, fig.

Paratype (1): SU 41805; Bear Lake, Utah and Idaho. Collectors: John O. Snyder and Carl L. Hubbs; August 2-5, 1915. *Paratypes* (6): SU 31754; locality and collectors as above; August 5, 1915. *Paratypes* (18): SU 41809-41826; Bear Lake near Fish Haven, Idaho. These specimens are mixed—some collected by John O. Snyder and Carl L. Hubbs in August of 1915, and some by J. P. Stock during the winter of 1917.
Holotype: U.S. Nat. Mus. 83500.

COREGONUS COULTERI Eigenmann and Eigenmann 1892, The American Naturalist, p. 961.

Syntypes (7): SU 519; Kicking Horse River, at Field, British Columbia. Collector: Carl H. Eigenmann.
Syntypes: Jordan and Evermann 1896, Bull. U.S. Nat. Mus. No. 47, part 1, p. 463, state "Type, No. 44875" (U.S. Nat. Mus.). This would appear to be a lectotype designation, except that there are 3 specimens bearing this number.

COREGONUS OREGONIUS Jordan and Snyder 1909, Proc. U.S. Nat. Mus., vol. 36, no. 1677, p. 425, fig.

Paratype (1): SU 13117; Willamette River, Oregon. Collector: John O. Snyder (the Stanford register says A. C. Bassett). *Paratypes* (4): SU 21140; Willamette River, Oregon. Collector: A. C. Bassett. *Paratypes* (4): SU 23204; data as for just preceding.
Holotype: U.S. Nat. Mus. 62987.

COREGONUS SPILONOTUS Snyder 1919, Bull. U.S. Bureau Fish., vol. 36 for 1917-1918, p. 6, fig.

Paratypes (6): SU 37958; Bear Lake, Utah. Collectors: John O. Snyder and Carl L. Hubbs; August, 1915. *Paratypes* (3): SU 41827, 41831 and 41832; data as for preceding. *Paratypes* (3): SU 41828-41830; data as for preceding.
Holotype: U.S. Nat. Mus. 83499.

COREGONUS STANLEYI Kendall 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 366, fig.

Paratypes (2): SU 9846; Eagle Lakes, Aroostook County, Maine. Collector: William C. Kendall.
Holotype: U.S. Nat. Mus. 50828.

COREGONUS WILLIAMSONI CISMONTANUS Jordan 1891, Bull. U.S. Fish Comm., vol. 9 for 1889, p. 49, pl. 9.

Syntypes (5): SU 660; Horse-Thief Springs, Montana. Collector: F. R. Lucas; October 11, 1889.

LEUCICHTHYS CYANOPTERUS Jordan and Evermann 1911, Bull. U.S. Bureau Fish., vol. 29 for 1909, p. 27, fig. 13.

Paratypes (4): SU 13199-13202; off Marquette, Michigan, in Lake Superior. Collectors: David Starr Jordan and Barton W. Evermann; 1908-1909.
Holotype: U.S. Nat. Mus. 64672.

LEUCICHTHYS GEMMIFER Snyder 1919, Bull. U.S. Bureau Fish., vol. 36 for 1917-1918, p. 4, fig.

Paratypes (4): SU 37963; Bear Lake, near Fish Haven, Idaho. Collectors: John O. Snyder and Carl L. Hubbs; August 2-5, 1915. *Paratype* (1): SU 41806; Bear Lake, Idaho. Collector: J. P. Stock; winter of 1917. *Paratypes* (12): SU 41808; data as for paratype just preceding. *Paratypes* (28): SU 41807; data as for paratype just preceding.
Holotype: U.S. Nat. Mus. 83498.

LEUCICHTHYS ONTARIENSIS Jordan and Evermann 1911, Bull. U.S. Bureau Fish., vol. 29 for 1909, p. 13, fig. 7.

Paratype (1): SU 13195; Bay of Quinte, Deseronto, Lake Ontario. Collector: Seth E. Meek; 1908-1909.
Paratype (1): SU 13196; data as for preceding.
Holotype: U.S. Nat. Mus. 64673.

ONCORHYNCHUS KAMLOOPS Jordan 1892, Forest and Stream, vol. 39, no. 19, p. 405.

Paratype (1): SU 10803; Kamloop's Lake, British Columbia. Collector: A. C. Bassett.
Holotype: U.S. Nat. Mus. 44238.

ONCORHYNCHUS KAWAMURAE Jordan and McGregor, in: Jordan and Hubbs 1925, Mem. Carnegie Mus., vol. 10, no. 2, p. 128, pl. 5, fig. 3 and pl. 8, fig. 5.

Paratypes (2): SU 24107; Lake Toyama in the mountainous western part of Ugo in the northwestern part of Hondo, Japan. Collector: Tamiji Kawamura; 1922.
Holotype: Carnegie Mus. 7785—now at the Chicago Nat. Hist. Mus.

PROSOPIUM SNYDERI Myers 1932, Copeia, no. 2, p. 62, fig.

Holotype: SU 23751; Crescent Lake, O. ... insula, Washington. Collector: T. S. ... tember, 1909. Prof. Myers now sugges... "Crescent Lake" may not have been the ... Olympic Peninsula.

SALMO AQUILARUM Snyder 1917, Bull. U. ... Fish., vol. 35, p. 77, fig. 7.

Paratype (1): SU 13515; Eagle Lake, Mo... California. Collector: John O. Snyder;
Holotype: U.S. Nat. Mus. 75653.

SALMO CLARKII TAHOENSIS Jordan and Ever... Bull. U.S. Nat. Mus. No. 47, part ...

Holotype: SU 4370; deep waters of L... California. Collector: A. J. Bayley.

SALMO EVERMANNI Jordan and Grinnell 1... Biol. Soc. Washington, vol. 21. p.

Holotype: SU 20389; headwaters of the ... of the Santa Ana River, at 8200 feet, ... northwest of San Gorgonio Peak, the hig... tain in southern California. Collect... Grinnell; August 17, 1907. *Paratype* ... 22496; data exactly as for holotype.

SALMO FORMOSANUS Jordan and Oshima 1... Acad. Nat. Sci. Philadelphia, p. 1...

Paratype (1): SU 23054; Saramao, Mu... Province, Formosa. Collector: Masamit... March 15, 1919. While this specimen w... cifically mentioned in the origina. de... it was marked as a type in the Stanford ... and was collected by the junior author ... cies description before it was written.
Holotype: in the museum of the In... Science of the government of Formosa.

SALMO GAIRDNERI BEARDSLEEI Jordan and ... Jordan 1896, Proc. California A... ser. 2, vol. 6, p. 209, pl. 23.

Lecto-paratype (1): SU 11861; Lake ... Washington. Collector: Mrs. George E. ... March 12-16, 1896. *Lecto-paratype* (1 ... data as for the preceding. While no ty... ignated in the original description, ... Evermann 1898, Bull. U.S. Nat. Mus. No ... 3, p. 2821, list 1864 (actually 11864 ... This then becomes the lectotype, the o... mens being lecto-paratypes. However, 1 ... signed to a specimen of *"Salmo crescent* ... specimen cannot now be located. It i... sible that Jordan and Evermann were i... designating 11864 as type, and that ... either 11861 or 11862.

SALMO GAIRDNERI CRESCENTIS Jordan and ... in: Jordan 1896, Proc. California ... ser. 2, vol. 6, p. 207, pl. 22.

Holotype: SU 11863; Lake Crescen...

...nington. Collector: Mrs. George E. ...rch 12, 1896.

...*'ERI GILBERTI* Jordan 1894, Rept. Calif... ...ish Comm. for 1893-1894, p. 143, pl.

...*atype* (1): SU 11509; Kern River, Cali... ...llectors: Charles H. Gilbert and Wil... ...burn; July, 1893. While no type was ... the original description, Jordan and ...96, Bull. U.S. Nat. Mus. No. 47, part ...give SU 11511 as the type, this amount... ...ectotype designation. No. 11509 is ..."type" at Stanford, whereas Jordan and ...sted no. 11511. This is another case ...of *Salmo gairdneri beardsleei*, which ...

...*ONERI SHASTA* Jordan 1894, Rept. Cali... ... Fish Comm. for 1893-1894, p. 142, pl.

...*otype*: SU 10903; McCloud River at Baird, ... Collector: Livingston Stone; February ...*Lecto-paratypes* (4): SU 4748; data ex... ...or preceding. No type was designated in ...al description but it is evident that ...emens than one were used in writing the ...in from the statement "...the types being ...However, Jordan and Evermann 1896, Bull. ... Mus. No. 47, part 1, p. 502, list the ... J 903 (actually 10903), making it the ...type.

...*EUS STONEI* Jordan 1894, Rept. California ...Comm. for 1893-1894, p. 142, pl.

...: SU 10900; McCloud River at Baird, Cal... ... Collector: Livingston Stone; February

...*ISS AGUA-BONITA* Jordan 1893, Proc. U.S. ...t Mus., vol. 15, no. 916, p. 481.

...: (1): SU 514; Whitney Creek (more correct... ...o Creek), on the west side of the Sierra ...ear Mount Whitney (the bottle label gives ...d Creek, Tulare County). Collector: A. ...

...*ISS MACDONALDI* Jordan and Evermann 1890, ...U.S. Nat. Mus., vol. 12, no. 780, p. 453.

...es (2): SU 512; Lower Twin Lakes, about ... southwest of Leadville, tributary to the ... River, Colorado. Collector: David Starr ...

...e: U.S. Nat. Mus. 41730.

...GALIS Snyder 1912, Bull. U.S. Bureau Fish., ... 32 for 1912, p. 26.

...*pe* (1): SU 22497; near Brockway, Lake ...alifornia. Collector: F. K. Pomeroy; Au... 1912. *Paratype* (1): SU 23196; somewhere ...ce City, Lake Tahoe, California. Collect... ...les A. Vogelsang.

Holotype: in the U.S. Nat. Mus.

SALMO ROOSEVELTI Evermann 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 26, pl. 1.

Paratypes (4): SU 9255; Volcano Creek, Kern County, California. Collector: Barton W. Evermann; July, 1904.
Holotype: U.S. Nat. Mus. 53064.

SALMO ROSEI Jordan and McGregor 1924, Proc. Acad. Nat. Sci. Philadelphia, vol. 76, p. 19, pl. 2.

Holotype: SU 23241; Lake Culver, Tulare County, California. Collectors: Egerton Lakin and party; September 15, 1923. *Paratypes* (3): SU 16717; data exactly as for holotype. *Paratype* (1): SU 16718 (head and skin); locality as above. Collector: George B. Culver; 1922. The following is a further note on the type locality from Mr. Lakin: Outlet of L. Culver located in $T_{16}S$, $R_{32}E$, Sec. 30. Elev. 10,500 ft. Lake Culver is the largest of the group named "Little 5 Lakes" on USGS Tehipite Quadrangle. Edition of 1905.

SALMO SELENIRIS Snyder 1933, Proc. California Acad. Sci., vol. 20, no. 11, p. 471.

Paratypes (12): SU 31537; headwaters of Silver King Creek, a tributary of East Carson River, which is a part of the Lahontan drainage area, Alpine County, California. Collector: John O. Snyder; October 2, 1933.
Holotype: California Acad. Sci. 212.

SALMO WHITEI Evermann 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 20, pl. 16.

Paratype (1): SU 9831; South Fork of Kaweah River in South Fork Meadows, California. Collector: Barton W. Evermann; July 15, 1904. *Paratype* (1): SU 9254; Soda Creek, California. Collector: Barton W. Evermann; 1904.
Holotype: U.S. Nat. Mus. 53065.

Family OSMERIDAE

OSMERUS ALBATROSSIS Jordan and Gilbert, in: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 3, p. 2823.

Syntype (1): SU 5750; Station 3675, Shelikof Straits, north of Karluk, Kadiak Island, Alaska. Collector: "Albatross".

OSMERUS STARKSI Fisk 1913, Proc. U.S. Nat. Mus., vol. 46, no. 2027, p. 293, fig.

Paratypes (6): SU 22613; market at San Francisco, California. Collector: David Starr Jordan.
Holotype: U.S. Nat. Mus. 74834.

SPIRINCHUS DILATUS Schultz and Chapman 1934, Ann. Mag. Nat. Hist., ser. 10, vol. 13, p. 68, pls. 2 and 3.

Paratypes (2): SU 26768; mouth of the Nooksack River, near Marietta, Washington. Collector: George Garlick; November 25, 1932.
Holotype: Univ. Washington Dept. Fish. 2336.

SPIRINCHUS VERECUNDUS Jordan and Metz 1913, Mem. Carnegie Mus., vol. 6, no. 1, p. 11, pl. 1, fig. 2.

Paratype (1): SU 23881; Chinnampo, Korea. Collector: David Starr Jordan; summer of 1911.
Holotype: Carnegie Mus. 4570—now at the Chicago Nat. Hist. Mus.

Family ARGENTINIDAE

ARGENTINA KAGOSHIMAE Jordan and Snyder 1902, Proc. U.S. Nat. Mus., vol. 24, no. 1265, p. 590, fig. 5.

Holotype: SU 6854; Kagoshima in Kiusiu, Japan. Presented to David Starr Jordan and John O. Snyder in 1900 by Kakichi Mitsukuri.

Family BATHYLAGIDAE

BATHYLAGUS ALASCANUS Chapman 1939, Proc. U.S. Nat. Mus., vol. 86, no. 3062, p. 505, fig. 58.

Paratype (1): SU 34471; Station 236B, 57° 12' North Latitude, 136° 34' West Longitude; 400-600 meters cable out. Collectors: International Fisheries Commission; March, 1930.
Holotype: U.S. Nat. Mus. 108148.

BATHYLAGUS PACIFICUS Gilbert 1890, Proc. U.S. Nat. Mus., vol. 13, no. 797, p. 55.

Syntype (1): SU 29; Station 3074, off the coast of Washington (47° 22' North Latitude, 125° 48' 30" West Longitude); 877 fathoms. Collector: "Albatross"; June 29, 1889.

BATHYLAGUS WESETHI Bolin 1938, California Fish and Game, vol. 24, no. 1, p. 66, fig. 23.

Holotype: SU 32971; off the mouth of Monterey Bay, 36° 40' 30" North Latitude, 122° 06' 00" West Longitude, taken at night between the surface and 50 fathoms. Collector: Rolf L. Bolin on the California Division of Fish and Game boat "Albacore"; May 5, 1937. *Paratype* (1): SU 32972; data exactly as for holotype. *Paratype* (1): SU 32973; data exactly as for holotype; specimen in fragments in glycerine.

Family SALANGIDAE

PARASALANX CANTONENSIS Herre 1932, Lin[illegible] Journ., vol. 11, no. 3, p. 425.

Holotype: SU 25732; wholesale fish[illegible] Canton, China. Collector: Albert W. C. [illegible] September 24, 1931.

SALANX HYALOCRANIUS Abbott 1901, Proc. [illegible] Mus., vol. 23, no. 1221, p. 490, fi[illegible]

Paratypes (188): SU 6306; Pei-Ho River [illegible] Tsin, China. Collector: Noah F. Drake;
Holotype:—was catalogued as SU 6305 [illegible] the U.S. Nat. Mus.

Family APLOCHITONIDAE

APLOCHITON MARINUS Eigenmann 1927, Mem. [illegible] Sci., vol. 22, second memoir, p. 4[illegible] figs. 2 and 5.

Paratype (1): SU 23964; near the sea [illegible] divia, Chile. Collector: Carl H. Eigenm[illegible] ruary 19, 1919.
Holotype: Indiana Univ. Mus. 15535. [illegible] California Acad. Sci.

Family UMBRIDAE

NOVUMBRA HUBBSI Schultz 1929, Publ. in Fi[illegible] Washington Coll. Fish., vol. 2, no. [illegible] pls. 1 and 2.

Paratype (1): SU 24077; drainage ditch[illegible] east of Satsop, Washington. Collector [illegible] P. Schultz; February 24, 1929.
Holotype: University Washington Coll.

Family GONOSTOMATIDAE

CYCLOTHONE CANINA Gilbert 1905, Bull. [illegible] Comm., vol. 23 for 1903, part 2, p[illegible] 71, fig. 2.

Paratype (1): SU 8576; Station 4110, K[illegible] nel between Molokai and Oahu Islands, [illegible] Islands (Lae-o ka Laau Light, Molokai [illegible] 24°, E. 18.7'); 449-460 fathoms. Collec[illegible] batross"; July 24, 1902. *Paratypes* (2) [illegible] Station 4141, vicinity of Kauai Island, [illegible] Islands (Hanamaulu warehouse, S. 46°, [illegible] 437-632 fathoms. Collector: "Albatross [illegible] 2, 1902.
Holotype: U.S. Nat. Mus. 51545.

CYCLOTHONE RHODADENIA Gilbert 1905, B[illegible] Fish Comm., vol. 23 for 1903, part [illegible] pl. 71, fig. 1.

): SU 8608; Station 4019, vicinity of
Hawaiian Islands (Hanamaulu ware-
. W. 8.1'); 409-724 fathoms. Collec-
ss"; June 21, 1902.
.S. Nat. Mus. 51584.

IS Myers 1932, Copeia, no. 2, p. 61.

U 24798; Philippine Islands.

ARIUS Jordan and Williams, in: Jordan
ks 1895, Proc. California Acad. Sci.,
vol. 5, p. 793, pl. 76.

"): SU 3125; cast up on deck of vessel
fic. Presented to Stanford by the
list's Society of Seattle, Washington.

Family STERNOPTYCHIDAE

TTINGI Gilbert, in: Jordan and Starks
Bull. U.S. Fish. Comm., vol. 22 for
p. 581.

types (6): SU 8518; Hawaiian Islands,
lowing localities: Station 3867, Pail-
between Molokai and Maui Islands
Islet, S. 64° 30', W. 9.1'), 284-290
ril 10, 1902. Station 4090, NE ap-
ailolo Channel (Mokuhooniki Islet, S.
20.7'), 304-308 fathoms, July 22,
on 4077, NE and N coast of Maui Island
nt, S. 45° 45', E. 6.1'), 99-106 fath-
1, 1902. Station 4121, NW coast of
(Kahuku Point, N. 79°, E. 10.1'), 216-
, July 25, 1902. Collector: "Alba-

otype: U.S. Nat. Mus. 51599. While the
ription of this species is found in
5, Bull. U.S. Fish Comm., vol. 23 for
2, p. 609, pl. 73, the original descrip-
tand as in Jordan and Starks 1904. In
he authors compare their new species
stereope) with *P. nuttingi* of "Gilbert
doing so characterize *nuttingi* suffi-
ilbert 1905, then, gives a more complete
and serves to designate a lectotype,
were, of course, no types selected in
paper.

STEREOPE Jordan and Starks 1904, Bull.
Fish Comm., vol. 22 for 1902, p. 581,
, fig. 3.

(1): SU 8392; Station 3698, Sagami Bay,
land, Japan (Manazuru Zaki, N. 8°, W.
53 fathoms. Collector: "Albatross"; May

: U.S. Nat. Mus. 51451.

Family MELANOSTOMIATIDAE

A MACROPUS Bolin 1939, Copeia, no. 1,
, fig. 1.

Holotype: SU 33325; off Monterey Bay, California (36° 42' North Latitude, 122° 03' West Longitude); 900 meters cable out. Collector: Rolf L. Bolin on the California State Fish and Game boat "Albacore "; May 24, 1938.

Family MACROPINNIDAE

MACROPINNA MICROSTOMA Chapman 1939, Proc. U.S. Nat. Mus., vol. 86, no. 3062, p. 509, fig. 59.

Paratype (1): SU 34472; Station 293B, 53° 52' North Latitude, 158° 29' West Longitude. Collectors: International Fisheries Commission; July, 1931 (the Stanford register gives 4-12-30).
Holotype: U.S. Nat. Mus. 108143.

Family GONORHYNCHIDAE

GONORHYNCHUS MOSELEYI Jordan and Snyder 1923, Journ. Washington Acad. Sci., vol. 13, no. 15, p. 347, fig. 1.

Holotype: SU 23239; Honolulu, Hawaiian Islands. Collector; Edwin L. Moseley.

Order *INIOMI*

Family SYNODONTIDAE

SAURIDA ESO Jordan and Herre 1907, Proc. U.S. Nat. Mus., vol. 32, no. 1544, p. 520, fig. 1.

Paratypes (2): SU 20161; Tsuruga, Echizen, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratype* (1): SU 20162; Kobe, Japan; collectors and date as above.
Holotype: U.S. Nat. Mus. 57847.

Family PARALEPIDIDAE

BATHYPTEROIS ANTENNATUS Gilbert 1905, Bull. U.S. Fish Comm., vol. 23 for 1903, part 2, p. 590, fig. 235.

Paratype (1): SU 8636; vicinity of Kauai Island, Hawaiian Islands at Station 4185 (Hanamaulu warehouse, S. 49° 30', W. 8.4'); 1000-1314 fathoms. Collector: "Albatross"; August 13, 1902.
Holotype: U.S. Nat. Mus. 51607—this number, as given in the description, cannot be complete.

CHLOROPHTHALMUS ALBATROSSIS Jordan and Starks 1904, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 579, pl. 1, fig. 1.

**Paratypes* (6) SU 8394; Station 3717, Suruga Bay, Honshu Island, Japan (Ose Zaki, S. 34°, E. 0.8 m.); 63-100 fathoms. Collector: "Albatross"; May 11, 1900.

Holotype: U.S. Nat. Mus. 51446.

CHLOROPHTHALMUS PRORIDENS Gilbert and Cramer 1897, Proc. U.S. Nat. Mus., vol. 19, no. 1114, p. 406, pl. 36, fig. 2.

Paratypes (2): SU 4916; Station 3476, Hawaiian Islands (21° 09' North Latitude, 157° 53' West Longitude); 298 fathoms. Collector: "Albatross"; December 6, 1891.
Holotype: U.S. Nat. Mus. 47715.

PARALEPIS PHILIPPINUS Fowler 1934, Proc. Acad. Nat. Sci. Philadelphia, vol. 85, p. 281, fig. 42.

Paratype (1): SU 14970; Port Dupon, Leyte Island, Philippine Islands. Collector: "Albatross"; March 17, 1909. Formerly U.S. Nat. Mus. 135257.
Holotype: U.S. Nat. Mus. 92323.

Family MYCTOPHIDAE (SCOPELIDAE)

CENTROBRANCHUS CHOEROCEPHALUS Fowler 1903, Proc. Acad. Nat. Sci. Philadelphia, p. 754.

Paratype (1): SU 8605; near Hawaiian Islands. Collector: William H. Jones.
Holotype: Acad. Nat. Sci. Philadelphia 7972.

CENTROBRANCHUS GRACILICAUDUS Gilbert 1905, Bull. U.S. Fish Comm., vol. 23 for 1903, part 2. sect. 2, p. 595, pl. 69, fig. 2.

Paratypes (4): SU 8604; Station 3930, near Laysan Island, Hawaiian Islands (25° 07' North Latitude, 170° 50' West Longitude); surface. Collector: "Albatross"; May 15, 1902. *Paratypes* (2) SU 8625; Station 3926, west of Oahu, Hawaiian Islands (21° 13' North Latitude, 158° 43' West Longitude); surface. Collector: "Albatross"; May 10, 1902.
Holotype: U.S. Nat. Mus. 51518.

DASYSCOPELUS NAUFRAGUS Waite 1904, Records Australian Mus., vol. 5, part 3, p. 154, pl. 18, fig. 3.

Syntypes (5): SU 20171; Lord Howe Island. Collector: Edgar R. Waite; 1903.

DASYSCOPELUS ORIENTALIS Gilbert 1913, Mem. Carnegie Mus., vol. 6, no. 2, p. 70, pl. 11, fig. 1.

Paratypes (12): SU 22233; Misaki, Sagami, Japan. Collector: "Albatross". *Paratypes* (9): SU 22436; Station 4921, west of Colnett Straits, 10 to 20 miles SW of Koshika Islands, Eastern Sea (Kusakaki Jima, N. 190° W., 29 miles), 30° 23' 30" North Latitude, 129° 36' 30" East Longitude; 400 fathoms. Collector: "Albatross"; August 13, 1906.
Holotype: p. 70 of the original description gives the type as Carnegie Mus. 6313, which would now be in the Chicago Nat. Hist. Mus.; however, p. 72 of the description states: "The ty[pe] deposited in the U.S. Nat. Mus."

DASYSCOPELUS PRISTILEPIS Gilbert and Cr[amer] Proc. U.S. Nat. Mus., vol. 19, no. [1114], p. 408, pl. 39, fig. 1.

Paratype (1): SU 4930; Station 286 (s[urface] net), Hawaiian Islands (21° 15' 49" North 157° 44' 27" West Longitude). Collecto[r: "Al]tross"; December, 1891.
Holotype: U.S. Nat. Mus. 47737.

DIAPHUS ADENOMUS Gilbert 1905, Bull. [U.S. Fish] Comm., vol. 23 for 1903, part 2 [p.] pl. 68.

Paratype (1): SU 8559; Station 4106, K[au]nel, between Molokai and Oahu Islands, Islands (Lae-o Ka Laau Light, Molokai 1[8°] 40° 15', E. 11.5'); 335-350 fathoms. ("Albatross"; July 24, 1902.
Holotype: U.S. Nat. Mus. 51588.

DIAPHUS AGASSIZII Gilbert 1908, Mem. M[us. Comp.] Zool. Harvard, vol. 26, no. 6, pl.

Paratype (1): SU 20388; Hydrographi[c] 3798, near Nukuhiva Island, Marquesas G[roup] Martin, Nukuhiva Island, N. 30° E., dis[tance] miles); 687 fathoms. Collector: "Al[batross]" September 15, 1899.
Holotype: in the U.S. Nat. Mus.

DIAPHUS ANTEORBITALIS Gilbert 1913, [Carn]egie Mus., vol. 6, no. 2, p. 92 fig. 1.

Paratype (1): SU 22434; Station 4968 Kobe and Yokohama, Japan (Shio Misaki 77° E., 5.5 miles), 33° 24' 50" North 135° 38' 40" East Longitude; 253 fathoms. or: "Albatross"; August 29, 1906.
Holotype: in the U.S. Nat. Mus.

DIAPHUS CHRYSORHYNCHUS Gilbert and Cra[mer] Proc. U.S. Nat. Mus., vol. 19, no. 409, pl. 38, fig. 2.

**Paratype* (1): SU 5068; Hawaiian Islan[ds] lector: "Albatross"; December 1891. *Par[atype]* SU 4927; Hawaiian Islands. Although th[ere] further data with the specimen, from th[e sta]tion it appears likely that this fish [was] station 286—surface tow net, 21° 15' [North] Latitude, 157° 44' 27" West Longitude. "Albatross"; December, 1891.
Holotype: U.S. Nat. Mus. 47710.

DIAPHUS GIGAS Gilbert 1913, Mem. Carne[gie] vol. 6, no. 2, p. 93, pl. 12, fig.

Paratype (1): SU 22435; Sagami Bay, Ja[pan] lector: Alan Owston.
Holotype: Carnegie Mus. 4601—now at t[he] Nat. Hist. Mus.

..L DULIFER Gilbert 1913, Mem. Carnegie
1. 6, no. 2, p. 90, pl. 11, fig. 2.

.. 3): SU 22431; Station 5058, in Suruga
Ose Saki, S. 86° E., 7.8 miles), 35°
.n Latitude, 138° 37' 50" East Longi-
.homs. Collector: "Albatross"; Octo-
..
..n the U.S. Nat. Mus.

..'S Gilbert 1913, Mem. Carnegie Mus.,
no. 2, p. 95, pl. 13, fig. 1.

..3): SU 22432; Sagami Bay, Japan. Col-
Owston.
Carnegie Mus. 4604—now at the Chicago
..us.

..'S Gilbert 1908, Mem. Mus. Comp. Zool.,
.., vol. 26, no. 6, p. 224, pl. 1.

.(3): SU 20184; Hydrographic Station
..es off Haunanu Point, Uattuka Island,
..quesas Islands; 1173 fathoms. Collect-
..ss"; September 14, 1899.
.in the U.S. Nat. Mus.

..MIENSIS Gilbert 1913, Mem. Carnegie
..ol. 6, no. 2, p. 96, pl. 13, fig. 2.

.(2): SU 22433; Sagami Bay, Japan. Col-
..n Owston.
Carnegie Mus. 4608—now at the Chicago
..us.

..NATUS Gilbert 1908, Mem. Mus. Comp.
Harvard, vol. 26, no. 6, pl. 2.

.(1): SU 20190; Hydrographic Station
..Nukuhiva Island, Marquesas Group (Cape
..uhiva Island, N. 30° E., distance 6.5
fathoms. Collector: "Albatross"; Sep-
1899. *Paratype* (1): SU 20193; data as
..eding.
in the U.S. Nat. Mus.

..AKAE Gilbert 1913, Mem. Carnegie Mus.,
, no. 2, p. 88.

.(1): SU 22439; Station 4977, between
..okohama, Japan (Shio Misaki Light, N.
..iles), 33° 23' North Latitude, 135° 37'
..ngitude; 544 fathoms. Collector: "Alba-
..ust 31, 1906.
in the U.S. Nat. Mus.

..OLAMPUS Gilbert and Cramer 1897, Proc.
Nat. Mus., vol. 19, no. 1114, p. 408,
..8, fig. 1.

..s (3): SU 4926; Station 3472, Hawaiian
21° 12' North Latitude, 157° 49' West
..; 295 fathoms. Collector: "Albatross";
, 1891.
..: U.S. Nat. Mus. 47709.

DIOGENICHTHYS PANURGUS Bolin 1946, Stanford Ichthyological Bull., vol. 3, no. 2, p. 140, fig. 2.

Paratypes (4): SU 40371; Station 670, 200 miles off Cape Cormorin, Indian Ocean (5° 56' North Latitude, 76° 22' East Longitude); 200 fathoms to surface. Collector: "Investigator"; April 24, 1924.
Holotype: in the Indian Museum.

DIOGENICHTHYS SCOFIELDI Bolin 1939, Stanford Ichthyological Bull., vol. 1, no. 4, p. 122, fig. 16.

Holotype: SU 33657; off Cortez Banks, 31° 33' North Latitude, 119° 57' West Longitude; between 50 meters and the surface. Collector: E. C. Scofield; February 18, 1931 (the Stanford register gives February 8). *Paratype* (1): SU 39680; off San Miguel Island, 33° 42' North Latitude, 121° 24' West Longitude; between 25 fathoms and the surface. Collector; as above; March 18, 1931. *Paratype* (1): SU 39681; Station 4920, 17.5 miles off Kusakaki Shima, Japan, 30° 34' North Latitude, 129° 22' East Longitude; 440 fathoms. Collector: "Albatross"; August 13, 1906. *Paratypes* (2): SU 39682; off Point Buchon, California, 35° 05' North Latitude, 123° 29' West Longitude; between 25 fathoms and the surface. Collector: Eugene C. Scofield; March 18, 1931.

ELECTRONA CROCKERI Bolin 1939, Stanford Ichthyological Bull., vol. 1, no. 4, p. 98, fig. 4.

Holotype: SU 39683 (first catalogued as no. 33656); Station 35, Outer Santa Barbara Passage, California (33° 11' North Latitude, 118° 21' 30" West Longitude); 800 fathoms of wire out. Collector: "Zaca", on the Crocker-Stanford Expedition; September 18, 1938.

LAMPANYCTUS FRASER-BRUNNERI Bolin 1946, Stanford Ichthyological Bull., vol. 3, no. 2, p. 150, fig. 5.

Paratype (1): SU 40376; Station 670, 200 miles off Cape Cormorin, Indian Ocean (5° 56' North Latitude, 76° 22' East Longitude); between 200 fathoms and the surface. Collector: "Investigator"; April 24, 1924.
Holotype: in the Indian Museum.

LAMPANYCTUS JORDANI Gilbert 1913, Mem. Carnegie Mus., vol. 6, no. 2, p. 104, pl. 14.

Paratype (1): SU 22379; Station 5039, off the southern shore of Hokkaido, Japan (42° 11' North Latitude, 141° 57' East Longitude); 269-326 fathoms. Collector: "Albatross"; October 3, 1906.
Holotype: Carnegie Mus. 4617—now at the Chicago Nat. Hist. Mus.

LAMPANYCTUS MICROPUNCTATUS Chapman 1939, Proc. U.S. Nat. Mus., vol. 86, no. 3062, p. 527, fig. 66.

Paratype (1): SU 34469; Station 1830, 51° 47'

North Latitude, 131° 02' West Longitude, 700-900 meters of wire out. Collectors: International Fisheries Commission; March, 1929.
Holotype: U.S. Nat. Mus. 108142.

LAMPANYCTUS NICHOLSI Gilbert 1911, Bull. American Mus. Nat. Hist., vol. 30, art. 2, p. 17, fig. 1.

Paratype (1): SU 22440; a short distance north of the Falkland Islands, at approximately 47° South Latitude, 60° West Longitude. Collector: John T. Nichols; October 15, 1906.
Holotype: in the American Mus. Nat. Hist.

LAMPANYCTUS OMOSTIGMA Gilbert 1908, Mem. Mus. Comp. Zool. Harvard, vol. 26, no. 6, p. 232, pl. 5.

Paratype (1): SU 20200; in the open Pacific about 1000 miles north of the Marquesas Islands (10° 57' 35" North Latitude, 137° 35' 25" West Longitude); surface. Collector: "Albatross".
Holotype: in the U.S. Nat. Mus.

LAMPANYCTUS PUNCTATISSIMUS Gilbert 1913, Mem. Carnegie Mus., vol. 6, no. 2, p. 103.

Paratype (1): SU 22437; Station 4969, between Kobe and Yokohama, Japan (Shio Misaki Light, N. 77° E., 918 miles), 33° 23' 40" North Latitude, 135° 33' East Longitude; 587 fathoms. Collector: "Albatross": August 29, 1906.
Holotype: in the U.S. Nat. Mus.

LAMPANYCTUS RITTERI Gilbert 1915, Proc. U.S. Nat. Mus., vol. 48, no. 2075, p. 318, pl. 15, fig. 3.

Paratype (1): SU 25522; Station 4400, off San Clemente Island, southern California (32° 50' 30" North Latitude, 118° 03' 30" West Longitude); 500-507 fathoms. Collector: "Albatross"; April 8, 1904. *Paratype* (1): SU 25495; Station 4403, off San Clemente Island, southern California (East point Northwest Harbor, San Clemente Island, N. 68° 30' W., 5.4 miles); 505-599 fathoms. Collector: "Albatross"; April 8, 1904.
Holotype: U.S. Nat. Mus. 75807.

LAMPANYCTUS STEINBECKI Bolin 1939, Stanford Ichthyological Bull., vol. 1, no. 4, p. 140, fig. 23.

Holotype: SU 33658; off Lone Point, Santa Catalina Island, southern California; 800 feet. Collector: Harry Ems; September 18, 1918. This specimen was re-catalogued as 39740.

MYCTOPHUM BRAUERI Gilbert 1905, Bull. U.S. Fish Comm., vol. 23 for 1903, part 2, p. 598, pl. 70, fig. 1.

Paratypes (7): SU 8626; Station 3980, between Honolulu and Kauai Island, Hawaiian Islands (21° 23' North Latitude, 158° 19' West Longitude). Collector: "Albatross"; June 9, 1902.
Holotype: U.S. Nat. Mus. 51527.

MYCTOPHUM EVERMANNI Gilbert 1905, Bull. Comm., vol. 23 for 1903, part 2, p. 597, pl. 70, fig. 2.

Paratypes (2): SU 8606; Station 3932, san Island, Hawaiian Islands (25° 45' N tude, 171° 32' West Longitude); surface. or: "Albatross"; May 16, 1902. *Paratypes* SU 8609; Station 3931, near Laysan Island Islands (25° 27' North Latitude, 171° Longitude); surface. Collector: "Albatross" 15, 1902. *Paratypes* (9): SU 8607; Station west of Niihau, Hawaiian Islands (between and Bird Islands, 22° 27' 30" North Lat. 40' West Longitude); surface. Collector: tross"; August 4, 1902.
Holotype: U.S. Nat. Mus. 51521.

MYCTOPHUM GILBERTI Evermann and Seale 1 U.S. Bureau Fish., vol. 26 for 19 fig. 1.

Paratype (1): SU 22232 (the descript 20000); Bulan, Sorsogon, Luzón, Philippin Collector: Charles J. Pierson.
Holotype: U.S. Nat. Mus. 55900.

MYCTOPHUM MARGARITATUM Gilbert 1905, Fish Comm., vol. 23 for 1903, part pl. 68, fig. 2.

Paratype or *paratypes* (specimens borr number not known): SU 8573; Station 393 of Laysan Island, Hawaiian Islands (25° Latitude, 171° 32' West Longitude). "Albatross"; May 16, 1902. *Paratypes* 8624; Station 4145, between Kauai and Bird) islands, Hawaiian Islands (22° 27' Latitude, 160° 40' West Longitude). "Albatross"; August 4, 1902.
Holotype: U.S. Nat. Mus. 51536.

MYCTOPHUM MEXICANUM Gilbert 1890, Proc. Mus., vol. 13, no. 797, p. 51.

Lecto-paratypes (3): SU 68; Station of California (25° 59' 45" North Lati 03' 30" West Longitude); 306 fathoms. "Albatross"; March 18, 1889. One of th mens is in a vial inside the bottle and following note: "off La Jolla, net hau 400 ft." so this one specimen may not
Lecto-holotype: U.S. Nat. Mus. 76343 ly 44289 in Jordan and Evermann, the type *phum regale*). While no type was selec original description, Jordan and Ever Bull. U.S. Nat. Mus. No. 47, part 1, p. the above U.S. Nat. Mus. number for th this amounting to a lectotype designati

MYCTOPHUM NANNOCHIR Gilbert 1890, Proc. Mus., vol. 13, no. 797, p. 51.

Lecto-holotype: SU 1459; Station 307 tral Washington (47° 28' 30" North Lat 24' West Longitude); 584 fathoms. Coll batross"; June 28, 1889. *Lecto-paraty* 20175; data as for the preceding. Whi

... in the original description, Gilbert ... J.S. Comm. Fish and Fish. for 1893, ... SU 1459 for the type—this amounting ... e designation.

...*ULEUM* Chapman 1939, Proc. U.S. Nat. ... l. 86, no. 3062, p. 524, fig. 65.

...1): SU 34470; Station 28, 59° 15' ... de, 140° 07' West Longitude; 18-247 ... re out—bottom 331 meters. Collect- ...tional Fisheries Commission; July, ...

...U.S. Nat. Mus. 108146.

...*OTOCULUS* Gilbert 1890, Proc. U.S. Nat. ... l. 13, no. 797, p. 52.

...*atype* (1): SU 40; Station 3072, off ...ington (47° 28' 30" North Latitude, ... Longitude); 584 fathoms. Collector: ... June 28, 1889.

...*type*: U.S. Nat. Mus. 44290 (mistaken- ... Jordan and Evermann). While no type ...ti in the original description, Jordan ... 1896, Bull. U.S. Nat. Mus. No. 47, ...65, give the above U.S. Nat. Mus. num- ... "type"—this amounting to a lectotype ...

...*'EGALE* Gilbert 1892, Proc. U.S. Nat. ...ol. 14, no. 880, p. 544.

...1): SU 64; Station 2980, Santa Barbara ...lifornia (33° 49' 45" North Latitude, ..." West Longitude); 603 fathoms. Col- ...batross"; February 12, 1889.

... U.S. Nat. Mus. 44289, the number Jor- ...rmann 1896, Bull. U.S. Nat. Mus. No. ... p. 563, give as the "type" of *Mycto- ...num* Gilbert.

...*UBORBITALE* Gilbert 1913, Mem. Carnegie ...vol. 6, no. 2, p. 82.

... (2): SU 22438; Station 4920, 10 to 20 ... Koshika Islands, Eastern Sea (Kusakaki ...° E., 17.5 miles), 30° 34' North Lati- ...22' East Longitude; 440 fathoms. Col- ...batross"; August 13, 1906. ... in the U.S. Nat. Mus.

Family CETOMIMIDAE

...*CRANEAE* Harry 1952, Zoologica (New York ... Soc.), vol. 37, part 1, p. 64, fig. 4.

...: SU 17102; from a cylinder of water ...es in diameter (five to thirteen miles ...Nonsuch Island, Bermuda), the center of ...at 32° 12' North Latitude, 64° 36' West ... 800 fathoms; net 269. Collectors: Ber- ...nographic Expeditions of the New York ... Society; July 8, 1929.

CETOMIMUS TEEVANI Harry 1952, Zoologica (New York Zool. Soc.), vol. 37, part 1, p. 61, fig. 3.

Holotype: SU 17101; from a cylinder of water eight miles in diamater (five to thirteen miles south of Nonsuch Island, Bermuda), the center of which is at 32° 12' North Latitude, 64° 36' West Longitude; 700 fathoms; net 961. Collectors: Bermuda Oceanographic Expeditions of the New York Zoological Society; September 29, 1930.

Order OSTARIOPHYSI

Family CHARACIDAE

ACANTHOCHARAX MICROLEPIS Eigenmann 1912, Mem. Carnegie Mus., vol. 5, p. 405, pl. 61, fig. 1.

Paratypes (2): SU 21935; Tumatumari, Lower Potaro River, British Guiana. Collector: Carl H. Eigenmann; 1908.
Holotype: Carnegie Mus. 2138—now at the Chicago Nat. Hist. Mus.

APHYOCHARAX ERYTHRURUS Eigenmann 1912, Mem. Carnegie Mus., vol. 5, p. 313, pl. 44, fig. 4.

Paratypes (2): SU 21912; Rockstone sandbank, British Guiana. Collector: Carl H. Eigenmann; 1908.
Holotype: Carnegie Mus. 1879—now at the Chicago Nat. Hist. Mus.

APHYOCHARAX HETERESTHES Ulrey 1894, Amer. Nat., p. 611.

Syntype (1): SU 2161; Brazil. Collector: C. F. Hartt; summer of 1870.

APHYOCHARAX MAXILLARIS Ulrey 1894, Amer. Nat., p. 611.

Syntypes (3): SU 2170; Brazil. Collector: C. F. Hartt; summer of 1870.

APHYOCHEIRODON HEMIGRAMMUS Eigenmann 1915, Mem. Carnegie Mus., vol. 7, no. 1, p. 59, fig. 18, pl. 9, fig. 2.

Paratypes (2): SU 17517; Jaquara, Tietê Basin, Brazil. Collector: John D. Haseman: August 18, 1908. Formerly Carnegie Mus. 6803, then Chicago Nat. Hist. Mus. 57820.
Holotype: Carnegie Mus. 6802—now at the Chicago Nat. Hist. Mus.

ASTYANAX ABRAMOIDES Eigenmann 1909, Ann. Carnegie Mus., vol. 6, no. 1, p. 21.

Paratypes (2): SU 21938; Kangaruma, Lower Potaro River, British Guiana. Collector: S. E. Shideler; 1908. *Paratypes* (5): SU 21937; Tumatumari, Lower Potaro River, British Guiana. Collector: Carl H. Eigenmann; 1908.

Holotype: Carnegie Mus. 1028—now at the Chicago Nat. Hist. Mus.

ASTYANAX ESSEQUIBENSIS Eigenmann 1909, Ann. Carnegie Mus., vol. 6, no. 1, p. 17.

Paratypes (5): SU 21956; Tumatumari, Lower Potaro River, British Guiana. Collector: Carl H. Eigenmann: 1908.
Holotype: Carnegie Mus. 1018—now at the Chicago Nat. Hist. Mus.

ASTYANAX GUIANENSIS Eigenmann 1909, Ann. Carnegie Mus., vol. 6, no. 1, p. 16.

Paratypes (2): SU 21957; Tumatumari, Lower Potaro River, British Guiana. Collector: Carl H. Eigenmann; 1908.
Holotype: Carnegie Mus. 1013—now at the Chicago Nat. Hist. Mus.

ASTYANAX INTEGER Myers 1930, Proc. Biol. Soc. Washington, vol. 43, p. 67.

Holotype: SU 23726; Guaicaramo, at the junction of the Río Guavio and the Río Upía, Colombia. Collector: H. Apolinar María; January, 1928.

ASTYANAX POTAROËNSIS Eigenmann 1909, Ann. Carnegie Mus., vol. 6, no. 1, p. 22.

Paratype (1): SU 21955; Amatuk, Lower Potaro River, British Guiana. Collector: Carl H. Eigenmann; 1908.
Holotype: Carnegie Mus. 1037—now at the Chicago Nat. Hist. Mus.

ASTYANAX SUPERBUS Myers 1942, Stanford Ichthyological Bull., vol. 2, no. 4, p. 92, fig. 2.

Holotype: SU 36489; a small brook tributary to the Río Tamanaco (a tributary of the Río Paye; Río Portuguesa drainage) at Camoruco, 20 kilometers northeast of San Carlos, Venezuela. Collection No. 61. Collector: Franklyn F. Bond; March 9, 1938. *Paratypes* (3): SU 36490; data exactly as for holotype.

AULIXIDENS EUGENIAE Böhlke 1952, Ann. Mag. Nat. Hist., ser. 12, vol. 5, no. 56, p. 775.

Holotype: SU 16940; mouth of the Río Curamoni (or Curamuni, as Ternetz notes his Indians pronounced it), Canal de Casiquiare, Venezuela (at about 2° 38' North Latitude, 66° 12' West Longitude). Collector: Carl Ternetz; March 8, 1925. *Paratypes* (8): SU 16942; Playa Matepalma, the Playa below Yapacana, Río Orinoco, Venezuela. This is undoubtedly in the region of Lagôa Mata de Palma (about 3° 43' North Latitude, 66° 53' West Longitude) or Ilha Mata de Palma (about 3° 44' North Latitude, 66° 57' West Longitude). Collector: Carl Ternetz; April 2, 1925. *Paratypes* (2): SU 16943; Playa Tama Tama, Río Orinoco, Venezuela. Tama Tama is just a short distance above the Bifurcation of the Orinoco, at about 3° 09' North Latitude, 65° 48' West Longitude. Collector: Ternetz; April 2, 1925. *Paratypes* (2): Bifurcation of the Río Orinoco, Playa Venezuela. Collector: Carl Ternetz; 1925.

BIVIBRANCHIA PROTRACTILA Eigenmann 1912, negie Mus., vol. 5, p. 259, pl. 3 1-5.

Paratype (1): SU 21973; Tumatumari, Low River, British Guiana. Collector: Carl mann; 1908. This exact locality was not in the original description so the spec not be a type, but it was clearly marked
Holotype: Carnegie Mus. 1873—now at th Nat. Hist. Mus.

BRYCONAMERICUS HYPHESSON Eigenmann 1909, negie Mus., vol. 6, no. 1, p. 32.

Paratype (1): SU 21970; Tumatumari, Low River, British Guiana. Collector: Carl mann; 1908.
Holotype: Carnegie Mus. 1070—now at th Nat. Hist. Mus.

CARNEGIELLA MARTHAE Myers 1927, Bull. M Zool. Harvard, vol. 68, no. 3, p. 1

Paratypes (3): SU 16054; Caño de Quiriba Caicara, Venezuela. Collector: Carl Tern 1925.
Holotype: Indiana Univ. Mus. 17685. N California Acad. Sci.

CARNEGIELLA MYERSI Fernandez-Yepez 1950, Ichthyological Bull., vol. 3, no. 4 figs. 3, 3a, 3b, 3c and 3d.

Holotype: SU 16120; creek near Yurimag Collector: William R. Allen on the Indian sity Centennial Expedition to Peru; Novem *Paratypes* (5): SU 16053; data exactly as type.

CARNEGIELLA SCHERERI Fernandez-Yepez 19 ford Ichthyological Bull., vol. 3, 178, figs. 5, 5a, 5b, 5c and 5d.

Holotype: SU 36491; Chancho Caño, ne Perú. Collector: William G. Scherer; 1936. *Paratype* (1): SU 16055; Lake Hyan uari), Brazil. Collector: Thayer Expe Brazil; October-December, 1865.

CHARACIDIUM BLENNIOIDES Eigenmann 1909, negie Mus., vol. 6, no. 1, p. 37.

Paratype (1): SU 21911; Amatuk, Low River, British Guiana. Collector: Carl mann; 1908.
Holotype: Carnegie Mus. 1144—now at t Nat. Hist. Mus.

...ATENATUM Eigenmann 1909, Ann. Carnegie ...ol. 6, no. 1, p. 40.

...(1): SU 21908; Rockstone sandbank, ...ver, British Guiana. Collector: Carl ...908.
...Carnegie Mus. 1153—now at the Chicago ...us.

...VINTONI Eigenmann 1909, Ann. Carnegie ...ol. 6, no. 1, p. 36.

...(2): SU 21909; Shrimp Creek, near Tu... ...h Guiana. Collector: Carl H. Eigen... ...*Paratypes* (2): SU 21779; data as for ...g.
...Carnegie Mus. 1142—now at the Chicago ...us.

...ZEBRA Eigenmann 1909, Ann. Carnegie ...ol. 6, no. 1, p. 38.

...(1): SU 21775; Maripicru Creek, branch ..., between Wontyke and Karakara, British ...llector: William Grant; 1908. *Paratype* ...10; data as for the preceding.
...Carnegie Mus. 1151—now at the Chicago ...Mus.

...NTERRUPTUS IBICUHIENSIS Eigenmann 1915, ...arnegie Mus., vol. 7, no. 1, p. 74.

...(1): SU 17515; Cacequy, Rio Ibicuhy, ...o Uruguay. Collector: John D. Haseman; ... and February 1, 1909. Formerly Car... 6816, then Chicago Nat. Hist. Mus.

...NOTOMELAS Eigenmann 1915, Mem. Carnegie ... vol. 7, no. 1, p. 74, fig. 26, pl. 12, ...2.

... (1): SU 17519; a lake four miles from ...mone, Tietê Basin, Brazil. Collector: ...aseman; October 11, 1908. Formerly Car... 6813, then Chicago Nat. Hist. Mus.
...Carnegie Mus. 6812—now at the Chicago ... Mus.

...PARAHYBAE Eigenmann 1915, Mem. Carnegie ... vol. 7, no. 1, p. 70, pl. 11, fig. 2.

... (1): SU 17518; Campos, Brazil. Collect... D. Haseman; June 14, 1908. Formerly ...Mus. 6841, then Chicago Nat. Hist. Mus.
...: Carnegie Mus. 6841a—now at the Chi... Hist. Mus.

... STENODON Eigenmann 1915, Mem. Carnegie ..., vol. 7, no. 1, p. 82, fig. 30, pl. 14, ... 2.

...es (2): SU 17521; Bebedouro, near Rio ...d Rio Paraná. Collector: John D. Haseman; September 1-5, 1908. Formerly Carnegie Mus. 6849, then Chicago Nat. Hist. Mus. 57866.
Holotype: Carnegie Mus. 6848a—now at the Chicago Nat. Hist. Mus.

CHEIRODONTOPS GEAYI Schultz 1944, Proc. U.S. Nat. Mus., vol. 95, no. 3181, p. 319, figs. 42 and 43.

Paratype (1): SU 18144; Río Guarico and tributaries between San Sebastián and San Casimiro, Estado de Aragua, Venezuela. Collectors: Leonard P. Schultz, G. Zuloaga, William Phelps, Jr., and P. Sherman; May 12, 1942. Formerly U.S. Nat. Mus. 121508.
Holotype: U.S. Nat. Mus. 121507.

COMPSURA HETERURA Eigenmann 1915, Mem. Carnegie Mus., vol. 7, no. 1, p. 61, fig. 19, pl. 10, fig. 1.

Paratype (1): SU 17513; Queimadas, Rio Itapicurú, Brazil. Collector: John D. Haseman; March 2, 1908. Formerly Carnegie Mus. 6809, then Chicago Nat. Hist. Mus. 57826.
Holotype: Carnegie Mus. 6808—now at the Chicago Nat. Hist. Mus.

COPEINA COMPTA Myers 1927, Bull. Mus. Comp. Zool. Harvard, vol. 48, no. 3, p. 110.

Paratypes (11): SU 18070; creek above rapids at São Gabriel, Rio Negro, Brazil. Collector: Carl Ternetz; January 28-30, 1925.
Holotype: Indiana Univ. Mus. 17693—now at the California Acad. Sci.

COPEINA METAE Eigenmann 1914, Indiana Univ. Studies, no. 23, p. 229.

Paratypes (2): SU 24656; Barrigona, Río Meta, Colombia. Collector: Manuel Gonzales; 1914.
Holotype: Indiana Univ. Mus. 13251a. Now at the California Acad. Sci.

CREAGRUDITE MAXILLARIS Myers 1927, Bull. Mus. Comp. Zool. Harvard, vol. 68, no. 3, p. 118.

Paratype (1): SU 18071; sandbank on the Colombian border at Cucuhy, Río Negro. Collector: Carl Ternetz; February 14, 1925.
Holotype: Indiana Univ. Mus. 17682—now at the California Acad. Sci.

CURIMATUS MORAWHANNAE Eigenmann 1912, Mem. Carnegie Mus., vol. 5, p. 266, pl. 24, fig. 3.

Paratypes (2): SU 21901; Morawhanna, British Guiana. Collector: S. E. Shideler: 1908.
Holotype: Carnegie Mus. 2122—now at the Chicago Nat. Hist. Mus.

DEUTERODON PINNATUS Eigenmann 1909, Ann. Carnegie Mus., vol. 6, no. 1, p. 25.

Paratype (1): SU 21902; Warraputa Falls, Esse-

quibo River, British Guiana. Collector: Carl H. Eigenmann; 1908. *Paratype* (1): SU 21820; Amatuk, British Guiana. Collector: Carl H. Eigenmann; 1908.
Holotype: Carnegie Mus. 1046—now at the Chicago Nat. Hist. Mus.

DISTOECHUS STIGMATURUS Gomez 1947, Misc. Publ., Mus. Zool., Univ. Michigan, no. 67, p. 13, fig. 2, pl. 1, fig. 2.

Paratype (1): SU 40187; a backwater of Rio Maquiné, a tributary to Lagôa dos Quadros, Conceição do Arroio County, Rio Grande do Sul, Brazil. Collector: H. Kleerekoper; June, 1941.
Holotype: Univ. Michigan Mus. Zool. 143273.

ELACHOCHARAX PULCHER Myers 1927, Bull. Mus. Comp. Zool. Harvard, vol. 68, no. 3, p. 115.

Paratype (1): SU 18067; Caño de Quiribana, near Caicara, Venezuela. Collector: Carl Ternetz; May, 1925. Formerly Indiana Univ. Mus. 17677.
Holotype: Indiana Univ. Mus. 17676—now at the California Acad. Sci.

HEMIBRYCON METAE Myers 1930, Proc. Biol. Soc. Washington, vol. 43, p. 68.

Holotype: SU 23727; Guaicaramo, at the junction of the Río Guavio and the Río Upía, Colombia. Collector: H. Apolinar Maria; January, 1928.

HEMIGRAMMUS ANALIS Durbin 1909, Ann. Carnegie Mus., vol. 6, no. 1, p. 64.

Paratypes (2): SU 21913; Rockstone, Essequibo River, British Guiana. Collector: Carl H. Eigenmann, 1908. *Paratype* (1): SU 21914; Gluck Island, Essequibo River, British Guiana. Collector: Carl H. Eigenmann; 1908.

Holotype: Carnegie Mus. 1466—now at the Chicago Nat. Hist. Mus.

HEMIGRAMMUS CYLINDRICUS Durbin 1909, Ann. Carnegie Mus., vol. 6, no. 1, p. 62.

Paratype (1): SU 21916; Crab Falls, Essequibo River, British Guiana. Collector: Carl H. Eigenmann; 1908.
Holotype: Carnegie Mus. 1461—now at the Chicago Nat. Hist. Mus.

HEMIGRAMMUS IOTA Durbin 1909, Ann. Carnegie Mus., vol. 6, no. 1, p. 60.

Paratype (1): SU 21917; Gluck Island, Essequibo River, British Guiana. Collector: Carl H. Eigenmann; 1908.
Holotype: Carnegie Mus. 1458—now at the Chicago Nat. Hist. Mus.

HEMIGRAMMUS ORTHUS Durbin 1909, Ann. Carnegie Mus., vol. 6, no. 1, p. 61.

Paratype (1): SU 21781; Gluck Island, Essequibo River, British Guiana. Collector: Carl mann; 1908.
Holotype: Carnegie Mus. 1477—now at t Nat. Hist. Mus.

HEMIGRAMMUS RODWAYI Durbin 1909, Ann. Mus., vol. 6, no. 1, p. 58.

Paratypes (5): SU 21915; Georgetown T British Guiana. Collector: Carl H. E 1908.
Holotype: Carnegie Mus. 1450—now at th Nat. Hist. Mus.

HOLESTHES HETERODON Eigenmann 1915, Mem. Mus., vol. 7, no. 1, p. 87, fig. 32 fig. 2.

Paratypes (5): SU 17522; Jaguara, Braz lector: John D. Haseman; August 18, 19 merly Carnegie Mus. 6876, then Chicago N Mus. 57891.
Holotype: Carnegie Mus. 6875a—now at cago Nat. Hist. Mus.

HYPHESSOBRYCON BALBUS Myers 1927, Bull. Zool. Harvard, vol. 68, no. 3, p. 1

Paratypes (10): SU 18069; Planaltina, vedeira, Goyaz, Brazil. Collector: Carl September 14, 1923.
Holotype: Indiana Univ. Mus. 17678a—r California Acad. Sci.

HYPHESSOBRYCON ECUADORIENSIS Eigenmann in: Eigenmann, Henn, and Wilson 191 Univ. Studies, no. 19, p. 9.

Paratypes (16): SU 22776; forest pool ces, Ecuador. Collector: Arthur Henn; 1
Holotype: Carnegie Mus. 5417—now at t Nat. Hist. Mus.

HYPHESSOBRYCON ELLISI Pearson 1924, Indi Ser., vol. 11, Study no. 64, p. 39 fig. 2.

Syntypes (3): SU 24660; Espia, Río Beni, Collector: Nathan E. Pearson; July, 1921.

HYPHESSOBRYCON EOS Durbin 1909, Ann. Carn vol. 6, no. 1, p. 69.

Paratypes (2): SU 21921; Tukeit, Low River, British Guiana. Collector: Carl mann; 1908. *Paratype* (1): SU 21920; cre Potaro Landing and Kangaruma, Lower Pot British Guiana. Collector: Carl H. Eigenm
Holotype: Carnegie Mus. 1194—now at t Nat. Hist. Mus.

HYPHESSOBRYCON ROSACEUS Durbin 1909, Ann Mus., vol. 6, no. 1, p. 67.

Paratypes (2): SU 21919; Gluck Island,

...sh Guiana. Collector: Carl H. Eigen-
... Carnegie Mus. 1190—now at the Chicago
...us.

...*CON STICTUS* Durbin 1909, Ann. Carnegie
...ol. 6, no. 1, p. 71.

... (3): SU 21923; Maduni Creek, British
...llector: Carl H. Eigenmann; 1908. *Para-*
...U 21922; Lama Stop-off, British Guiana.
...Carl H. Eigenmann; 1908.
... Carnegie Mus. 1197—now at the Chicago
...Mus.

...*ERNANDEZI* Myers 1950, Stanford Ichthy-
...al Bull., vol. 3, no. 4, p. 197.

... SU 16126; Upper Rio Orinoco (more exact
...ubtful). Collector: Carl Ternetz; 1925.

...*ALTERNUS* Eigenmann 1912, Mem. Carnegie
...vol. 5, p. 307.

... (1): SU 21900; Bartica, Essequibo Riv-
...h Guiana. Collector: S. E. Shideler;

...: Carnegie Mus. 1827—now at the Chicago
... Mus.

...*BRUNNEUS* Myers 1950, Stanford Ichthy-
...cal Bull., vol. 3, no. 4, p. 195.

...: SU 16125; Caxoeira Camanaos (Camanaos
...io Negro, Brazil. Collector: Carl Ter-
...ary 23, 1925. *Paratype* (1): SU 16292;
...ro, Brazil. Collector as above; January
... *Paratype* (1): SU 16293; Canal de Casi-
...hemoni near Bifurcation. Collector as
...rch 13, 1925. *Paratype* (1): SU 16294;
...-Tama or Tama-Tama Rocks, Orinoco Bifur-
...enezuela. Collector as above; March 26,
...ratype (1): SU 16295; ---Salata (rapids?),
...co, Colombia-Venezuela border. Collector
... April 16, 1925.

... *ECUADORENSIS* Eigenmann and Henn 1916,
... Carnegie Mus., vol. 10, nos. 1 and 2,
... 7, p. 88.

...es (4): SU 22777; Vinces, Ecuador. Col-
...rthur Henn.
...e: Indiana Univ. Mus. 13116a —now at the
...a Acad. Sci.

...*NYS ILISHA* Myers 1927, Bull. Mus. Comp.
... Harvard, vol. 68, no. 3, p. 122.

...e (1): SU 18074; sandbank on the Colombian
... Cucuhy, Río Negro. Collector: Carl Ter-
...bruary 14, 1925. *Paratypes* (2): SU 18073;
...canoeing up north from Amanadona, Rio Ne-
...azil. Collector as above; February 22,
...*Paratypes* (6): SU 18076; Camanaos Rapids
...o Gabriel), Rio Negro, Brazil. Collector
...; January 22, 1925. *Paratypes* (4): SU 18075; Camanaos Rapids, Rio Negro, Brazil. Collector as above; January 24, 1925. *Paratypes* (6): SU 18072; Isla Guachaco, Canal de Casiquiare, Venezuela. Collector as above; February 26, 1925.
Holotype: Indiana Univ. Mus. 17696a—now at the California Acad. Sci.

MEGALAMPHODUS MICROPTERUS Eigenmann 1915, Mem. Carnegie Mus., vol. 7, no. 1, p. 54, fig. 16, pl. 8, fig. 1.

Paratypes (5): SU 17514; Pirapora, Brazil. Collector: John D. Haseman; December 14, 1907. Formerly Carnegie Mus. 6903, then Chicago Nat. Hist. Mus. 57919.
Holotype: Carnegie Mus. 6900a—now at the Chicago Nat. Hist. Mus..

MOENKHAUSIA BROWNI Eigenmann 1909, Ann. Carnegie Mus., vol. 6, no. 1, p. 13.

Paratypes (2): SU 21924; Savannah Landing, Upper Potaro River, British Guiana. Collector: Carl H. Eigenmann; 1908. *Paratypes* (2): SU 21925; Holmia, Upper Potaro River, British Guiana. Collector: Carl H. Eigenmann; 1908. *Paratype* (1): SU 21830; Tukeit, below Kaieteur, British Guiana. Collector: Carl H. Eigenmann: 1908.
Holotype: Carnegie Mus. 1004—now at the Chicago Nat. Hist. Mus.

NANNOSTOMUS MARGINATUS Eigenmann 1909, Ann. Carnegie Mus., vol. 6, no. 1, p. 41.

Paratype (1): SU 21941; Cane Grove Corner, British Guiana. Collector: Carl H. Eigenmann; 1908.
Holotype: Carnegie Mus. 1171—now at the Chicago Nat. Hist. Mus.

NEMATOBRYCON AMPHILOXUS Eigenmann and Wilson, in: Eigenmann, Henn and Wilson 1914, Indiana Univ. Studies, no. 19, p. 13.

Paratypes (4): SU 24658; Boca de Raspadura, Colombia. Collector: Carl H. Eigenmann.
Holotype: formerly at the Carnegie Mus.—now at the Chicago Nat. Hist. Mus.

ODONTOSTOECHUS LETHOSTIGMUS Gomez 1947, Misc. Publ. Mus. Zool., Univ. Michigan, no. 67, p. 8, fig. 1, pl. 1, fig. 1.

Paratype (1): SU 40188; a backwater of Rio Maquiné, a tributary to Lagôa dos Quadros, Conceição do Arroio County, Rio Grande do Sul, Brazil. Collector: H. Kleerekoper; June, 1941.
Holotype: Univ. Michigan Mus. Zool. 143272.

OTHONOCHEIRODUS EIGENMANNI Myers 1927, Bull. Mus. Comp. Zool. Harvard, vol. 68, no. 3, p. 114.

Paratypes (2): SU 18068; Cayumba Rapids, Río Huallaga, Perú. Collector: William R. Allen; October, 1918. Formerly Indiana Univ. Mus. 17675 (the California Acad. Sci. register gives 16125), then California Acad. Sci. 17946.

Holotype: Indiana Univ. Mus. 17674—now at the California Acad. Sci.

PARODON APOLINARI Myers 1930, Proc. Biol. Soc. Washington, vol. 43, p. 66.

Holotype: SU 23725; Guaicaramo, at the junction of the Río Guavio and Río Upía, Colombia. Collector: H. Apolinar María; January, 1928.

PETERSIUS BARNARDI Herre 1936, Proc. Biol. Soc. Washington, vol. 49, p. 100.

Holotype and 74 *paratypes*: SU 31521; roadside ditches about 12 kilometers from Beira, Portuguese East Africa. Collector: Albert W. C. T. Herre; April 30, 1934. The holotype was mixed in with the paratypes and the specimen cannot now be determined with certainty; however, 3 specimens have been segregated in a vial inside the bottle. These most closely resemble the holotype and one of them probably is the holotype.

PHENACOGASTER MEGALOSTICTUS Eigenmann 1909, Ann. Carnegie Mus., vol. 6, no. 1, p. 28.

Paratypes (2): SU 21906; Tumatumari, Lower Potaro River, British Guiana. Collector: Carl H. Eigenmann; 1908. *Paratype* (1): SU 21907; Rockstone, Essequibo River, British Guiana. Collector: Carl H. Eigenmann; 1908.
Holotype: Carnegie Mus. 1056—now at the Chicago Nat. Hist. Mus.

POECILOBRYCON ERYTHRURUS Eigenmann 1909, Ann. Carnegie Mus., vol. 6, no. 1, p. 44.

Paratype (1): SU 21918; Gluck Island, Essequibo River, British Guiana. Collector: Carl H. Eigenmann; 1908.
Holotype: Carnegie Mus. 1168—now at the Chicago Nat. Hist. Mus.

POECILOCHARAX BOVALII Eigenmann 1909, Ann. Carnegie Mus., vol. 6, no. 1, p. 34.

Paratypes (7): SU 21933; creek at Savannah Landing, Upper Potaro River, British Guiana. Collector: Carl H. Eigenmann; 1908. *Paratypes* (4): SU 24657; data exactly as for the preceding.
Holotype: Carnegie Mus. 1136—now at the Chicago Nat. Hist. Mus.

PRISTELLA AUBYNEI Eigenmann 1909, Ann. Carnegie Mus., vol. 6, no. 1, p. 24.

Paratypes (6): SU 21939; Lama Stop-off, British Guiana. Collector: Carl H. Eigenmann; 1908.
Holotype: Carnegie Mus. 1042—now at the Chicago Nat. Hist. Mus.

PRODONTOCHARAX MELANOTUS Pearson 1924, Indiana Univ. Studies, vol. 11, Study no. 64, p. 36, fig. 4, pl. 12, figs. 1 and 2.

Syntypes (6): SU 17471; Tumupasa, 30 miles west of Rurrenabaque, Río Beni Basin, Bo Collector: Nathan E. Pearson; December,

PSEUDOCHEIRODON AFFINIS Meek and Hildebran Field Mus. Nat. Hist., Publ. 191, zoo. vol. 10, no. 15, p. 275, fig. 3, p. 1

Paratypes (10): SU 17516; Río Gatún, Gatún Zone. Collectors: Seth E. Meek and Sam Hildebrand; 1911-1912. Formerly Chicag Hist. Mus. 8941.

PYGOPRISTIS GIBBOSUS Starks 1913, The Fi the Stanford Expedition to Brazil, Stanford Jr. Univ. Publ., Univ. Ser., pl. 3.

Holotype: SU 22226; market at Pará, Brazi. lector: Edwin C. Starks on the Stanford Ex to Brazil; summer of 1911. *Paratypes* 22222; data exactly as for holotype.

RACHOVISCUS CRASSICEPS Myers 1926, Blät Aquarien- und Terrarienkunde, Jan no. 24, p. 566, fig.

Syntype (1): SU 18146; vicinity of Rio d ro, Brazil. Presented to George S. Myer: thur Rachow. Prof. Myers now notes that t was probably not from the Baixada Flumene from farther inland. Formerly U.S. Nat. Mu

RHINOBRYCON NEGRENSIS Myers 1944, Proc. Ca Acad. Sci., ser. 4, vol. 23, no. 39, fig.

Paratypes (9): SU 37076; Santa Izabel, R Brazil. Collector: Carl Ternetz; January
Holotype: California Acad. Sci. 11089.

SACCODERMA MELANOSTIGMA Schultz 1944, Pr Nat. Mus., vol. 95, no. 3181, p. 31 40 and 41.

Paratypes (6): SU 18145; Río Negro below Río Yasa, Maracaibo Basin, Venezuela. C Leonard P. Schultz; March 2, 1942. Form Nat. Mus. 121528.
Holotype: U.S. Nat. Mus. 121519.

SPINTHEROBOLUS BROCCAE Myers 1925, Ann. Mus., vol. 16, p. 143, fig., pl. 10.

Paratype (1): SU 24073; hills behind Ri eiro, Brazil. Collector: R. Brocca (the register gives Brocca and Salathe); 1924.
Holotype: Carnegie Mus. 7979a—now at cago Nat. Hist. Mus.

SPINTHEROBOLUS PAPILLIFERUS Eigenmann Carnegie Mus., vol. 8, no. 1, p. 1 figs. 1-4.

Paratype (1): SU 17520; Alto da Serra,

llector: John D. Haseman; August 4, rly Carnegie Mus. 3583, then Chicago ıs. 54918.
Carnegie Mus. 3582—now at the Chicago ıs.

INNESI Myers 1932, The Aquarium (Phil- a), vol. 1, no. 6, p. 149, fig. (Myers is will probably have to stand as the l description of the species, although mal description was published in 1933 n. Mag. Nat. Hist., ser. 10, vol. 11, .

SU 25228; Lower Amazon, Brazil. Col- own—an aquarium specimen.

LIATA Eigenmann 1914, Indiana Univ. ., no. 20, p. 37.

(2): SU 24659; Barrigona, Río Meta, Collector: Manuel Gonzáles.
Carnegie Mus. 5215—now at the Chicago Mus.

US CINGULATUS Myers and Fernandez-Yepez Stanford Ichthyological Bull., vol. 3, p. 190, fig. 1.

SU 16122; Laja Supira, upper Río Orin- ela. Collector: Carl Ternetz; April 6, *ratypes* (2): SU 16123; Laja Tama-Tama, rcation of the Orinoco, Venezuela. Col- above; March 24, 1925. *Paratypes* (2): in the entrance of the Canal de Casi- r the Bifurcation. Collector as above; .925.

TERUS HETERORHABDUS Ulrey 1894, Amer. p. 610.

(1): SU 2174; Pará, Brazil. Collector: ; summer of 1870.

TERUS SANTAREMENSIS Ulrey 1894, Amer. p. 610.

(2): SU 2167; Santarém, Brazil. Col- F. Hartt; summer of 1870.

US MACULOSUS Eigenmann 1912, Mem. Car- Mus., vol. 5, p. 272, pl. 35, fig. 3.

s (2): SU 22000; Tumatumari, Lower Po- , British Guiana. Collector: Carl H. 1908.
: Carnegie Mus. 1923—now at the Chicago Mus.

ES BONDI Myers 1942, Stanford Ichthyo- al Bull., vol. 2, no. 4, p. 90, fig. 1.

: SU 36486; Río Amana, 6 kilometers east arbara and 35 kilometers west of Maturín, . Collection No. 125. Collector: Frank- lyn F. Bond; March 16, 1939. *Paratypes* (3): SU 36487; data exactly as for holotype.

XENUROBRYCON MACROPUS Myers and P. de Miranda Ribeiro 1945, Bol. Mus. Nac., Rio de Janeiro, Zool., N. 32, p. 5, fig. 1.

Paratypes (2): SU 40764; Rio Bodoquena, Matto Grosso, Brazil. Collector: Paulo de Miranda Ribeiro; December, 1941.
Holotype: in the Museu Nacional.

Family GYMNOTIDAE

STERNARCHELLA SIMUS Starks 1913, The Fishes of the Stanford Expedition to Brazil, Leland Stanford Jr. Univ. Publ., Univ. Ser., p. 22, pl. 4.

Holotype and 2 *Paratypes*: SU 22220; Pará, Brazil. Collector: Edwin C. Starks on the Stanford Expedition to Brazil; summer of 1911. While no single specimen was designated as holotype in the descriptive portion of the paper, Prof. Starks refers to the figured specimen as "Type" on pl. 4. This is here considered type designation. A careful comparison must be made between specimens and figure, to determine which is the type, especially in view of the fact that 4 specimens are mentioned in the description and only 3 are now present in the collections.

Family CATOSTOMIDAE

CATOSTOMUS ARENARIUS Snyder 1917, Bull. U.S. Bureau Fish., vol. 35, p. 47, fig. 1.

Paratype (1): SU 23949; Fallen Leaf Creek, near Tallac, California. Collectors: John O. Snyder and Robert E. Richardson; 1911.
Holotype: U.S. Nat. Mus. 75654.

CATOSTOMUS HUMBOLDTIANUS Snyder 1908, Bull. U.S. Bureau Fish., vol. 27, p. 163.

Paratypes (14): SU 9861; Mad River (near Alliance, 4 miles above the mouth), Humboldt County, California. Collectors: Charles H. Gilbert, G. B. Culver, A. G. Maddren, and John O. Snyder; July 7, 1897. *Paratypes* (12): SU 24661; south fork of the Eel River, near Garberville, Humboldt County, California. Collector: Charles H. Gilbert; June 30, 1897.
Holotype: in the U.S. Nat. Mus.

CATOSTOMUS MICROPS Rutter, 1908, Bull. U.S. Bureau Fish., vol. 27 for 1907, p. 120, fig. 1.

Paratype (1): SU 9277; small tributary of Ash Creek near Aden, Modoc County, California. Collectors: Cloudsley M. Rutter and Fred M. Chamberlain; September 1, 1898.
Holotype: U.S. Nat. Mus. 58496.

CATOSTOMUS MNIOTILTUS Snyder 1913, Bull. U.S. Bureau Fish., vol. 32 for 1912, p. 56.

Paratypes (21): SU 22494; Bureau of Fisheries Survey of the Pajaro and Salinas Rivers Station 35, Salinas River, near Salinas, California. Collectors: John O. Snyder, Willis H. Rich and Carl H. Gilbert; July 11, 1909.
Holotype: U.S. Nat. Mus. 74465.

CATOSTOMUS POCATELLO Gilbert and Evermann 1894, Bull. U.S. Fish Comm., vol. 14 for 1894, p. 189, pl. 21.

Paratypes (7): SU 1399; Ross Fork of Snake River near Pocatello, Idaho. Collectors: Charles H. Gilbert and Barton W. Evermann; August 4, 1893.
Paratypes (5): SU 1182; data as for above paratypes.
Holotype: U.S. Nat. Mus. 45385.

CATOSTOMUS RHOTHOECUS Thoburn, in: Jordan and Evermann 1896, Bull. U.S. Nat. Mus. No. 47, part 1, p. 181.

Lecto-holotype: SU 1030; thought to be from the French Broad River at Wolf Creek, Tennessee, but definitely assigned to the James River System in Virginia by Raney (Copeia, 1946, p. 220). Collector: Charles H. Gilbert. *Lecto-paratypes* (3); SU 18081; same data as above. Six type specimens were mentioned by Thoburn in the original description. No holotype was designated but the "type" was listed as "No. 44846" in the U.S. Nat. Mus. However, there are 2 specimens of the original 6 under no. 44846, and there have been the other 4 under SU 1030. It is clear that these 6 were all syntypes. One Stanford specimen is now selected as the lecto-holotype and the other 3 are recatalogued as SU 18081.

CATOSTOMUS RIMICULUS Gilbert and Snyder in: Gilbert 1898, Bull. U.S. Fish Comm., vol. 17 for 1897, p. 3.

Syntypes (3): SU 5654; Trinity River, Hoopa Valley, Humboldt County, California. Collector: W. E. Dougherty; February 1, 1897. *Syntypes* (4): SU 21262; Scott River, Klamath Basin, Siskiyou County, California. Collector: R. C. McGregor. The original description states; "Type No. 5654, Leland Stanford Junior University collection." Since there are three specimens bearing that number, all specimens are considered syntypes.

CATOSTOMUS SNYDERI Gilbert 1898, Bull. U.S. Fish Comm., vol. 17 for 1897, p. 3.

Paratypes (2): SU 8566; Upper Klamath Lake, Oregon. Collectors: Charles H. Gilbert, Frank Cramer, and Keinosuke Otaki; June 13-16, 1894.
Holotype: U.S. Nat. Mus. 48222.

CATOSTOMUS TSILTCOOSENSIS Evermann and Meek 1898, Bull. U.S. Fish Comm., vol. 17 for 1897, p. 68, fig. 1.

Paratype (1): SU 5703; Tsiltcoos Lake, Lane County, Oregon. Collector: Seth E. Meek; 2, 1896.
Holotype: U.S. Nat. Mus. 48479.

CATOSTOMUS WARNERENSIS Snyder 1908, Bull. eau Fish., vol. 27 for 1907, p. 81,

Paratypes (23): SU 21188; Warner Cree County, Oregon. Collectors: a U.S. Bureau eries party under the direction of Barton mann; summer of 1897.
Holotype: U.S. Nat. Mus. 55597.

CATOSTOMUS WIGGINSI Herre and Brock, in 1936, Proc. Biol. Soc. Washington, v p. 11.

Holotype: SU 30980; from a pool about wide, 15 feet long, and not over 18 inche in the west fork of the Río San Miguel, northwest of Cucurpe and 29 miles south Magdalena, Sonora, México, over 150 miles coast; elevation 2,580 feet. Collector: Wiggins; September 12, 1934. *Paratype* 16938; data exactly as for holotype.

CHASMISTES STONIAS Gilbert 1898, Bull. U. Comm., vol. 17 for 1897, p. 5, fig.

Paratype (1): SU 11758; Upper Klamath La gon. Collectors: Charles H. Gilbert, Frank and Keinosuke Otaki; June 13-16, 1894. (1): SU 11759; data as for the preceding.
Holotype: U.S. Nat. Mus. 48223.

MOXOSTOMA RUPISCARTES Jordan and Jenkins, dan 1889, Proc. U.S. Nat. Mus., vol. 723, p. 353.

Paratypes (4): SU 851; Pacollet River at near Spartanburgh, South Carolina. Co David Starr Jordan; summer of 1888.
Holotype: U.S. Nat. Mus. 39927.

PANTOSTEUS ARIZONAE Gilbert, in: Jordan mann 1896, Bull. U.S. Nat. Mus., No. 1, p. 170.

Syntypes (2): SU 5069; Salt River, Tem copa County, Arizona. Collector: Charle bert.

PANTOSTEUS JORDANI Evermann 1893, Bu Fish Comm., vol. 12 for 1892, p. 51,

Syntypes (4): SU 1195; Red Rock River, Montana. Collector: B. Clapham; July 27.
Syntypes: Jordan and Evermann 1896, B Nat. Mus. No. 47, part 1, p. 172, list Mus. 43963 for the type. While this app a lectotype designation, 4 specimens number.

PANTOSTEUS SANTA-ANAE Snyder 1908, Proc. Mus., vol. 34, no. 1595, p. 33.

16): SU 20660; Santa Ana River, near
lifornia. Collector: Edmund Heller;

.S. Nat. Mus. 61675.

Family CYPRINIDAE

EGMA Jordan and Fowler 1903, Proc.
t. Mus., vol. 26, no. 1334, p. 835,

:SU 7721; from the Yodo River at Osaka
apan. Collectors: David Starr Jordan
Snyder; summer of 1900. *Paratypes*
3; data exactly as for holotype. *Para-*
) 7144; Chikugo River at Kurume, Japan.
d date as for holotype.

US ATREMIUS Jordan and Thompson 1914,
rnegie Mus., vol. 6, no. 4, p. 227,
fig. 3.

SU 22606; Chikugo River at Kurume,
lectors: David Starr Jordan and John O.
er of 1900.

US DICAEUS Rutter 1897, Proc. Acad.
i. Philadelphia, p. 58.

3): SU 4997; Swatow, China. Collector:
elde; sent to Indiana University in
ich it was purchased by Stanford while
was still unworked.

US LANCHIENSIS Herre and Lin 1936,
Chekiang Provincial Fisheries Ex-
ent Station, vol. 2, no. 7, p. 17,
5.

1): SU 32555; pool in the rapids at
the Upper Tsien Tang River, Chekiang
ina. Collector: Albert W. C. T. Herre;
, 1935 (November 12 in the Stanford

US SCIOSENUS Jordan and Thompson 1914,
arnegie Mus., vol. 6, no. 4, p. 228,
, fig. 1.

SU 22608; Chikugo River, Kurume, Japan.
David Starr Jordan and John O. Snyder;
1900. *Paratypes* (6): SU 22609; data
for holotype.

US CYANOSTIGMA Jordan and Fowler 1903,
U.S. Nat. Mus., vol. 26, no. 1334, p.
ig. 2.

and 2 *paratypes*: SU 7724; Lake Biwa at
in Omi, Japan. Collectors: David Starr
John O. Snyder; summer of 1900. These
are now mixed, but it may be found pos-
eparate them. *Paratypes* (27): SU 7143;
preceding.

ACHEILOGNATHUS MESEMBRINUM Jordan and Evermann 1902, Proc. U.S. Nat. Mus., vol. 25, no. 1289, p. 323, fig. 6.

Holotype: SU 7130; Suwata, Formosa. Collector: Tsunasuke Tada. *Paratypes* (2): SU 7151; data exactly as for holotype.

ACHEILOGNATHUS MORIOKAE Jordan and Thompson 1914, Mem. Carnegie Mus., vol. 6, no. 4, p. 225, pl. 25, fig. 2.

Holotype: SU 22643; Morioka, on the Kitakama River, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900.

ACHEILOGNATHUS TABIRA Jordan and Thompson 1914, Mem. Carnegie Mus., vol. 6, no. 4, p. 220, pl. 25, fig. 1.

Paratypes (75): SU 7363; Lake Biwa, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (20): SU 22645; Lake Biwa, Japan. Collector: David Starr Jordan; summer-autumn, 1911.
Holotype: Carnegie Mus. 6007a—now at the Chicago Nat. Hist. Mus.

AGOSIA ADOBE Jordan and Evermann, in: Jordan 1891, Bull. U.S. Fish Comm., vol. 9 for 1889, p. 36.

Paratypes (15): SU 821; Sevier River, Juab, Utah. August 9-10, 1889.
Holotype: U.S. Nat. Mus. 41674.

AGOSIA ROBUSTA Rutter 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 148, fig.

Paratypes (20): SU 22666; Prosser Creek, Nevada County, California. Collectors: Cloudsley M. Rutter and William S. Atkinson; 1898-1899. *Paratypes* (35): SU 5609; Horton's Creek, Round Valley, California. Collectors: Charles H. Gilbert and Wilbur W. Thoburn; July 20, 1893.
Holotype: U.S. Nat. Mus. 50589.

AGOSIA UMATILLA Gilbert and Evermann 1894, Bull. U.S. Fish Comm., vol. 14 for 1894, p. 192, pl. 21.

Paratypes (3): SU 1181; Payette River at Payette, Idaho. Collectors: Charles H. Gilbert, Wilbur W. Thoburn, and Cloudsley M. Rutter; August 9, 1893. *Paratypes* (5): SU 1180; Columbia River at Umtilla, Oregon. Collectors: Charles H. Gilbert and Cloudsley M. Rutter; August 11, 1893.
Holotype: U.S. Nat. Mus. 45390.

AGOSIA YARROWI Jordan and Evermann, in: Jordan 1891, Bull. U.S. Fish Comm., vol. 9 for 1889, p. 28.

Syntype (1): SU 662; Gunnison River at Gunnison, Colorado. Collectors: U.S. Fish Commission; end of July, 1889. *Syntypes* (5): SU 9050; data as for the above syntypes.

ALBURNOPS NUBILUS Forbes, in: Jordan 1878, Bull. Illinois State Lab. Nat. Hist., vol. 1, no. 2, p. 56.

Lecto-paratypes (3): SU 1280; Belvidere, Illinois. Collector: S. A. Forbes; summer of 1877.
Lecto-holotype: While no type was selected in the original description, Jordan and Evermann 1896, Bull. U.S. Nat. Mus. No. 47, part 1, p. 215, give U.S. Nat. Mus. 28410 as the type—this amounting to a lectotype designation.

AMBLYPHARYNGODON GRANDISQUAMIS Jordan and Starks 1917, Ann. Carnegie Mus., vol. 11, nos. 3 and 4, p. 438, pl. 44.

Paratypes (8): SU 22868; from the river at Colombo, Ceylon. Collector: David Starr Jordan; January, 1914.
Holotype: Carnegie Mus. 8050a—now at the Chicago Nat. Hist. Mus.

APHYOCYPRIS POONI Lin 1939, Hong Kong Naturalist, vol. 9, no. 3, p. 129, fig. 1.

Paratype (1): SU 34385; streams at Fanling, New Territories, Hong Kong, China. Collector: Shu-Yen Lin; August 20, 1938.
Holotype: location not known.

BARBODES BAOULAN Herre 1926, Philippine Journ. Sci., vol. 29, no. 4, p. 499.

Syntype (1): SU 24469; Lake Lanao, Mindanao, Philippine Islands. Collector: Datu Samba-an; April 9, 1925.

BARBODES DISA Herre 1932, Copeia, no. 3, p. 140.

Holotype: SU 27713; market at Dansalan, Mindanao, Philippine Islands (actually taken from Lake Lanao). Collector: Albert W. C. T. Herre; July 9, 1931.

BARBODES HEMICTENUS Jordan and Richardson 1908, Bull. U.S. Bureau Fish., vol. 27, p. 241, fig. 5.

Holotype: SU 20213; Mindoro Island, Philippine Islands. Collector: R. C. McGregor. *Paratypes* (3): SU 20443; data exactly as for holotype.

BARBODES LINDOG Herre 1924, Philippine Journ. Sci., vol. 24, no. 3, p. 304.

Syntypes (2): SU 27714; Dansalan, Lake Lanao, Mindanao, Philippine Islands. Collector: Albert W. C. T. Herre; May 4, 1921. *Syntypes* (3): SU 24466; data as for the preceding.

BARBODES SIRANG Herre 1932, Copeia, no. 3, p. 140.

Holotype and 39 *paratypes*: SU 27715; near Lumbatan on the south shore of Lake Lanao, Mindanao, Philippine Islands. Collector: Albert W. C. T. Herre; July 2, 1931. These specimens a and the holotype cannot immediately se from the others. However, there are two separated in a vial within the bottle which is probably the holotype.

BARBODES TUMBA Herre 1924, Philippine Jou vol. 24, no. 3, p. 285.

Syntypes (3): SU 24471; Lake Uyaan, nig Lanao Province, Mindanao, Philippine Collector: Albert W. C. T. Herre; Septe 1922.

BARBUS BANTOLANENSIS Day 1914, Philipp Sci., vol. 9, D, no. 2, p. 188, pl. 1

Holotype and 4 *paratypes*: SU 29823; Lake southwest of Taytay, Palawan Island, Ph Islands. Collector: A. L. Day on a joi ition from the University of the Philip the Philippine Bureau of Science; May, 1 holotype is the specimen bearing the pape 2 and the metal tag F-13.

BARBUS HERREI Fowler 1934, Proc. Acad. Philadelphia, vol. 85, p. 280, fig.

Paratype (1): SU 14971; Vicar market, La Mindanao, Philippine Islands. Collector tross"; May 23, 1908. This specimen was U.S. Nat. Mus. 93408.
Holotype: U.S. Nat. Mus. 93138.

BEIRABARBUS PALUSTRIS Herre 1936, Proc. B Washington, vol. 49, p. 100.

Holotype and 212 *paratypes*: SU 31527 savanna about twelve kilometers from Bei uguese East Africa. Collector: Albert Herre; April 30, 1934. Holotype in vial i

BELLIGOBIO ERISTIGMA Jordan and Hubbs 1 Carnegie Mus., vol. 10, no. 2, p. 1 fig. 3.

Paratype (1): SU 23550; near Okayama, land sea drainage of Hondo, Japan. C Kumachichi Mikamo; 1922.
Holotype: Carnegie Mus. 7820—now at t Nat. Hist. Mus.

CAMPOSTOMA PRICEI Jordan and Thoburn, and Evermann 1896, Bull. U.S. Nat. 47, part 1, p. 205.

Holotype: SU 1177 (1552 in the desc Rucker Cañon, Chiricahua Mountains, sout zona. Collector: William W. Price.

CHANODICHTHYS WUI Lin 1932, Lingnan Sci vol. 11, no. 4, p. 516.

Holotype: SU 35266; Yunkiang, Kwelch Collector: Shu-Yen Lin; May, 1931 (the

...y: 1934). This specimen is at Stan-... term loan from the Lingnan Univ. ...

...A TENSIS Evermann and Cox 1896, Report ...omm., U.S. Comm. Fish and Fish. for ...nding June 30, 1894, part 20, p. 395.

...): SU 2260; Crow Creek, Chamberlain, ... Collector: Barton W. Evermann; June ...

...S. Nat. Mus. 45680.

...f Evermann and Cox 1896, Rept. Comm., ...n. Fish and Fish. for 1894, part 20, ...

...): SU 3136; Prairie Creek near Scot-...akota. Collectors: Barton W. Ever-...s O. Cox, and Cloudsley M. Rutter; ... *Paratype* (1): SU 3897; data exact-...ve paratype.
...S. Nat. Mus. 45681.

...*STUS* Woolman 1894, Bull. U.S. Fish ...ol. 14 for 1894, p. 57.

...(2): SU 642; Río de los Conchos at ...éxico. Collector: Albert J. Woolman, ...91.

...*ENI* Jordan 1893, Proc. U.S. Nat. Mus., ..., no. 938, p. 313.

... SU 266; Stuarts Lake near Fort St. ...sh Columbia. Collector: Ashdown H. ...

...*'SINENSIS* Abbott 1901, Proc. U.S. Nat. ...ol. 23, no. 1221, p. 489, fig.

... 1): SU 6298; Pei-Ho River at Tientsin, ...ector: Noah F. Drake; 1898.
...annot now be located. The description ...pe.- No. 6297 in Leland Stanford Junior ...Museum, also No. 49550, U.S.N.M."

...*'MMELAS* Abbott 1901, Proc. U.S. Nat. ...ol. 23, no. 1221, p. 485, fig.

... (3): SU 6296; Pei-Ho River at Tientsin, ...ector: Noah F. Drake; 1898.
...annot now be located. The description ...pe.- No. 6295 in Leland Stanford Junior ...Museum; also No. 49546, U.S.N.M."

... *FORBESI* Jordan 1878, Bull. Illinois ...at. Hist., vol. 1, no. 2, p. 57.

...*ratypes* (2): SU 1290; Union County, Il-...ollector: S. A. Forbes; summer of 1877.
...*lotype*: U.S. Nat. Mus. 29869 (mistaken-...n Jordan and Evermann). While no type ...ed in the original description, Jordan ...nn 1896, Bull. U.S. Nat. Mus. No. 47, part 1, p. 272, list the above U.S. Nat. Mus. No. for the "type"—this amounting to a lectotype designation.

EPALZEORHYNCHUS NUTABILIS Lin 1933, Lingnan Sci. Journ., vol. 12, no. 1, p. 84, text-fig. 4, pl. 4.

Holotype: SU 35261; Yunkiang, Kweichow, China. Collector: Shu-Yen Lin?; May, 1932. This specimen is at Stanford on a long term loan from the Lingnan Univ. Nat. Hist. Mus.

EPISEMA JEJUNA Forbes, in: Jordan 1878, Bull. Illinois State Lab. Nat. Hist., vol. 1, no. 2, p. 60.

Syntypes (3): SU 1278; Illinois River, Illinois. Collector: Stephen A. Forbes; summer of 1877.

EVARRA EIGENMANNI Woolman 1894, Bull. U.S. Fish Comm., vol. 14 for 1894, p. 64.

Lecto-paratypes (2): SU 790; México City, D.F., México. Collector: Albert J. Woolman; summer of 1891.
Lecto-holotype: U.S. Nat. Mus. 45571. While no type was selected in the original description, Jordan and Evermann 1896, Bull. U.S. Nat. Mus. No. 47, part 1, p. 305, give U.S. Nat. Mus. 45571 as type—this amounting to a lectotype designation.

FALCULA CHAPALAE Jordan and Snyder 1901, Bull. U.S. Fish Comm., vol. 19 for 1899, p. 124, fig. 6.

Holotype: SU 6152; Laguna de Chapala, near Ocotlán, Jalisco, México. Collector: John O. Snyder: December 26. 1898.

FUSANIA ENSARCA Jordan and Starks 1905, Proc. U.S. Nat. Mus., vol. 28, no. 1391, p. 198, fig. 4.

Paratypes (2): SU 9052; Fusan, Korea. Collector: Pierre Louis Jouy; 1885.
Holotype: U.S. Nat. Mus. 45265.

GILA ESTOR Jordan and Brayton 1878, Bull. U.S. Nat. Mus. No. 12, p. 66.

Syntypes (4): SU 2681; Elk River at Estill Springs, Tennessee. Collectors: David Starr Jordan and Alembert W. Brayton; summer of 1877.
Syntypes: Jordan and Evermann 1896, Bull. U.S. Nat. Mus. No. 47, part 1, p. 240, give U.S. Nat. Mus. 31147 for the "type". While this appears to be a lectotype designation, 4 specimens bear the number.

GOBIO BIWAE Jordan and Snyder 1900, Proc. U.S. Nat. Mus., vol. 23, no. 1213, p. 340, pl. 9, fig. 1.

Paratypes (2): SU 6273; Lake Biwa, near Matsubara, Japan. Collector: C. Ishikawa.
Holotype: U.S. Nat. Mus. 49399.

GOBIO HAYEDAE Jordan and Snyder 1900, Proc. U.S. Nat. Mus., vol. 23, no. 1213, p. 342, pl. 9, fig. 2.

Paratypes (11): SU 6272; Lake Biwa, near Karasaki, Japan. Collector: Keinosuke Otaki; 1895-1896.
Holotype: U.S. Nat. Mus. 49400.

GNATHOPOGON ISHIKAWAE Jordan and Thompson 1914, Mem. Carnegie Mus., vol. 6, no. 4, p. 215, pl. 24, fig. 4.

Paratype (1): SU 22607; Chikugo River at Kurume, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (10): SU 7355; data as for above paratype.
Holotype: Carnegie Mus. 6014—now at the Chicago Nat. Hist. Mus.

GNATHOPOGON SUWAE Jordan and Hubbs 1925, Mem. Carnegie Mus., vol. 10, no. 2, p. 166.

Paratypes (7): SU 23541; Lake Suwa, at Kamisuwa in Shinshu, Japan. Collector: David Starr Jordan; October-November, 1922.
Holotype: Carnegie Mus. 7814—now at the Chicago Nat. Hist. Mus.

HEMIBARBUS JOITENI Jordan and Starks 1904, Smithsonian Misc. Colls. (Quarterly Issue), vol. 45, no. 1448, p. 241, pl. 64.

Holotype: SU 8414; Pei-Ho at Tientsin, China. Collector: Noah F. Drake; 1898. While this specimen was not definitely designated as holotype in the original description and may have to be considered a syntype, it was the only one mentioned by number and is the largest of the series of 4.

HESPEROLEUCUS MITRULUS Snyder 1913, Bull. U.S. Bureau Fish., vol. 32 for 1912, p. 67.

Paratypes (42): SU 22491; Drews Creek, Drews Valley, Lake County, Oregon. Collectors: John O. Snyder, Edwin C. Starks, and Earl L. Morris; July 11, 1904.
Holotype: U.S. Nat. Mus. 74474.

HESPEROLEUCUS NAVARROENSIS Snyder 1913, Bull. U.S. Bureau Fish., vol. 32 for 1912, p. 65.

Paratypes (138): SU 22488; Navarro River, near Philo at the crossing of the Elk-Ukiah stage road, Mendocino County, California. Collectors: Charles H. Gilbert et al; June 14, 1897.
Holotype: U.S. Nat. Mus. 74476.

HESPEROLEUCUS SUBDITUS Snyder 1913, Bull. U.S. Bureau Fish., vol. 32, for 1912, p. 67.

Paratypes (57): SU 22489; Uvas Creek, Santa Clara County, California. Collectors: Charles H. Gilbert, Wilfred H. Osgood, and John O. Snyder; October 15, 1896.
Holotype: U.S. Nat. Mus. 74475.

HESPEROLEUCUS VENUSTUS Snyder 1913, Bu... eau Fish., vol. 32 for 1912, p. 64.

Paratypes (56): SU 22492; Coyote Creek roy Hot Springs, Santa Clara County, C... Collector: John O. Snyder. *Paratypes* 24282; Napa Creek, Calistoga, Ca...fornia. ectors: Charles H. Gilbert et al; May 7...
Holotype: U.S. Nat. Mus. 74476.

HYBOGNATHUS HAYI Jordan 1885, Proc. U.S. vol. 7, no. 467, p. 548.

Paratypes (2): SU 4112; Grenada, Mis... Collector: Oliver P. Hay.
Holotype: U.S. Nat. Mus. 32306.

HYBOPSIS CRAMERI Snyder 1908, Bull. U. Fish., vol. 27 for 1907, p. 181, f...

Paratypes (9): SU 9863; Willamette Oregon City, Oregon. Collectors: Frank Keinosuke Otaki. *Paratype* (1): SU 242... Umpqua River near Roseburg, Oregon. C... Charles H. Gilbert et al; July 25, 1897.
Holotype: U.S. Nat. Mus. 61574.

HYBOPSIS WATAUGA Jordan and Evermann, ... 1889, Proc. U.S. Nat. Mus., vol. 1... p. 355.

Paratype (1): SU 1364; Watauga River, town, Tennessee. Collector: David Star... summer of 1888.
Holotype: U.S. Nat. Mus. 39929.

HYDROPHLOX LUTIPINNIS Jordan and Bray Bull. U.S. Nat. Mus. No. 12, p. 36.

Lecto-paratype (1): SU 2500; near wat... Oconee, in clear rapid streams, Altam... Georgia. Collectors: David Starr Jorda... bert W. Brayton; summer of 1877.
Lecto-holotype: U.S. Nat. Mus. 31090. type was selected in the original de... Jordan and Evermann 1896, Bull. U.S. Na... 47, part 1, p. 287, list U.S. Nat. Mus. the "Type"—this amounting to lectotyp... tion.

LABEO FISHERI Jordan and Starks 1917, An... Mus., vol. 11, nos. 3 and 4, p. 43...

Paratype (1): SU 23234; Mahaweli Rive... Ceylon. Collector: Walter K. Fisher; Jan...
Holotype: Carnegie Mus. 8044a—now i... cago Nat. Hist. Mus.

LAVINIA ARDESIACA Snyder 1913, Bull. ... Fish., vol. 32 for 1912, p. 58, fi...

Paratypes (47): SU 22490; Pajaro R... Watsonville, California. Collectors: ... der, Willis H. Rich, and Carl H. Gilb... of 1909.
Holotype: U.S. Nat. Mus. 74459.

TYPUS Raj 1941, Rec. Indian Mus., part 2, p. 210, pl. 7, figs. 1-4.

2): SU 36567; Periyar Lake, Travandia. Collector: B. Sundara Raj; 1939. oological Survey of India (Indian /1.

INIFER Snyder 1917, Bull. U.S. Bur., vol. 35 for 1915-1916, p. 64,

5): SU 22669; The Willows, Pyramid Collectors: John O. Snyder and Robson; June 1-3, 1911. *Paratypes* (8): ke Tahoe, Tahoe City, California. above; June 27, 1911. .S. Nat. Mus. 76304.

LETONI Kendall 1903, Bull. U.S. Fish ol. 22 for 1902, p. 357, fig. 1.

9): SU 9834; Bill Fish Brook, a trib- East Branch of the Penobscot River below Matagamon Lake, Maine. Collec- Kendall and T. B. Gould; September 7, .S. Nat. Mus. 50832.

LLI Evermann 1892, Bull. U.S. Fish ol. 11 for 1891, p. 44, pl. 20, fig. 2.

(2): SU 1214; Browns Gulch Creek at Montana. Collector: Barton W. Ever-, 1891. U.S. Nat. Mus. 43953.

UYI Jordan and Snyder 1901, Proc. U.S. s., vol. 23, no. 1235, p. 741, pl. 31.

(7): SU 6376; Sasuna, Tsushima Island, lector: Pierre Louis Jouy. U.S. Nat. Mus. 45228.

NACHTRIEBI Cox 1896, Rept. Comm., U.S. ish and Fish., part 20, p. 615.

1): SU 4999; Mille Lacs Lake, Aitkin esota. Collector: Minnesota Nat. Hist. U.S. Nat. Mus. 47688.

HALACROCORAX Jordan and Fowler 1903, U.S. Nat. Mus., vol. 26, no. 1334, p. ig. 7.

: SU 7723; Tana River at Tachikawa, lectors: David Starr Jordan and John O. mer of 1900. *Paratypes* (32): SU 7149; achikawa, Japan. Collectors and date type. *Paratypes* (3): SU 8096; Koshyu, the Imperial Museum.

SCIISTIUS Abbott 1901, Proc. U.S. Nat. vol. 23, no. 1221, p. 487, fig.

Paratypes (2): SU 6302; Pei-Ho River, Tien-Tsin, China. Collector: Noah F. Drake; 1898. *Holotype* cannot now be found. It should be SU 6301, and Stanford should only have one paratype (the other in the U.S. Nat. Mus.). Perhaps the holotype, instead of one of the paratypes, was sent to the U.S. Nat. Mus. by mistake.

LEUCISCUS SEMOTILUS Jordan and Starks 1905, Proc. U.S. Nat. Mus., vol. 28, no. 1391, p. 199, fig. 5.

Paratypes (14): SU 8562; freshwater stream near Fusan, Korea. Collector: Pierre Louis Jouy; 1885. *Holotype*: U.S. Nat. Mus. 51500.

LISSOCHILUS HENDERSONI Herre 1940, Bull. Raffles Mus., no. 16, p. 10, pl. 4.

Holotype and 1 *paratype*: SU 32632; fresh-water creek on Penang Island, Malaya. Collector: Albert W. C. T. Herre; March 24, 1937. These specimens have been mixed and bear no notes. *Paratypes* (19): SU 32632; data exactly as for the preceding.

LISSOCHILUS TWEEDIEI Herre and Myers 1937, Bull. Raffles Mus., no. 13, part 2, p. 61, pl. 5.

Holotype and 2 *paratypes* (mixed, in the same bottle): SU 30969; River Yum, a tributary of the River Plus, in eastern Perak, at an altitude of about 2,000 feet. Collector: M. W. F. Tweedie; March, 1933.

LUXILUS ZONISTIUS Jordan 1880, Proc. U.S. Nat. Mus., vol. 2, no. 84, p. 239.

Lecto-paratype (1): SU 1998; Suwannee Creek, a tributary of the Chattahoochee River in northern Georgia. Collectors: David Starr Jordan and Charles H. Gilbert.

Lecto-holotype: while no type was selected in the original description, Jordan and Evermann 1896, Bull. U.S. Nat. Mus. No 47, part 1, p. 285, list U.S. Nat. Mus. 23452 as the "Type"—this amounting to lectotype designation.

MEGALOBRAMA HOFFMANNI Herre and Myers 1931, Lingnan Sci. Journ., vol. 10, nos. 2 and 3, p. 241.

Holotype: SU 24220; vicinity of Lingnan University, Canton, China. Received from W. E. Hoffmann of that university; 1929.

METZIA FANLINGENSIS Lin 1939, Hong Kong Naturalist, vol. 9, no. 3, p. 130, fig. 2.

Holotype: SU 34382; Fanling, of the New Territories, Hong Kong, China. Collector: Shu-Yen Lin; September 5, 1938. *Paratype* (1): SU 34383; data exactly as for holotype.

MICRORASBORA GATESI Herre 1939, Stanford Ichtnyological Bull., vol. 1, no. 4, p. 159.

Holotype and 17 *paratypes:* SU 33897 (paratypes,

33898); pond near Judson College, Lower Burma. Collector: Albert W. C. T. Herre; 1937. These specimens are not immediately separable. *Paratypes* (16): SU 33899; creek 9 miles northwest of Hlegu, Burma. Collector and date as for the above.

MINNILUS BELLUS Hay 1881, Proc. U.S. Nat. Mus., vol. 3, no. 179, p. 510.

Paratype (1): SU 2526; Artesia, Mississippi. Collector: O. P. Hay; late March to early April, 1880. *Paratypes* (6): SU 756; data as for the preceding.
Holotype: U.S. Nat. Mus. 27426.

MINNILUS PUNCTULATUS Hay 1881, Proc. U.S. Nat. Mus., vol. 3, no. 179, p. 508.

Paratypes (4): SU 4076; Corinth, Mississippi. Collector: Oliver P. Hay; late March to early April, 1880.
Holotype: U.S. Nat. Mus. 27430.

MINNILUS SCEPTICUS Jordan and Gilbert 1882, Bull. U.S. Nat. Mus. No. 16, p. 200.

Paratype (1): SU 2529; Saluda River, South Carolina. Collectors: David Starr Jordan and Alembert Brayton.
Holotype: U.S. Nat. Mus. 31081.

MINNILUS XAENURUS Jordan 1877, Proc. Acad. Nat. Sci. Philadelphia, p. 79.

Syntype (1): SU 1996; South Fork of the Ocmulgee River at Flat Shoals, De Kalb County, Georgia. Collectors: David Starr Jordan and Charles H. Gilbert.
Syntypes: Jordan and Evermann 1896, Bull. U.S. Nat. Mus. No. 47, part 1, p. 280, list U.S. Nat. Mus. 17862 as "type". While this appears to be a lectotype designation, 5 specimens bear the number.

MOROCO YAMANOTIS Jordan and Hubbs 1925, Mem. Carnegie Mus., vol. 10, no. 2, p. 182.

Paratype (1): SU 23549; Lake Yamanaka on the east side of Fuji-San in Koshu, Japan. Collector: Masashi Ishikawa; 1922.
Holotype: Carnegie Mus. 7829—now at the Chicago Nat. Hist. Mus.

NOCOMIS HYOSTOMUS Gilbert 1884, Proc. U.S. Nat. Mus., vol. 7, no. 423, p. 203.

Paratypes (30): SU 888; East Fork of White River near Bedford, Lawrence County, Indiana. Collector: Charles H. Gilbert.
Holotype: U.S. Nat. Mus. 34980.

NOTOTROPIS STILBIUS Jordan 1877, Ann. Lyc. Nat. Hist., New York, vol. 11, p. 343.

Syntypes (3): SU 2528; Etowah River, Rome, Georgia. Collectors: David Starr Jordan and Charles H. Gilbert; summer of 1876.
Syntypes: Jordan and Evermann 1896, Bull. U.S. Nat. Mus. No. 47, part 1, p. 293, gave U.S. Nat. Mus. 31132 (mistake for 17879) for the type. While this appears to be a lectotype designation, 2 specimens bear the number.

NOTROPIS AZTECUS Woolman 1894, Bull. U.S. Fish Comm., vol. 14 for 1894, p. 63.

Lecto-paratypes (9): SU 644; México City. Collector: Albert J. Woolman; summer of 1894.
Lecto-holotype: U.S. Nat. Mus. 45569. The type was selected in the original description by Jordan and Evermann 1896, Bull. U.S. Nat. Mus. No. 47, part 1, p. 258, list the above U.S. Nat. Mus. number for the "type"—this amounting to a lectotype designation.

NOTROPIS CALIENTIS Jordan and Snyder 1900, Bull. U.S. Fish Comm., vol. 19 for 1899, p. 419, fig. 4.

Holotype: SU 6193; Río Verde at Aguas Calientes, México. Collector: John O. Snyder; June, 1899. *Paratypes* (10): SU 6198; data as for the holotype.

NOTROPIS CAYUGA Meek 1889, Ann. New York Acad. Sci., vol. 4, p. 305.

Syntypes (52): SU 3790; Ithaca, New York; Cayuga Lake and Fall Creek (collections of 1885 and 2601 also included here). Collector: Seth E. Meek; 1885-1886.

NOTROPIS CAYUGA ATROCAUDALIS Evermann 1892, Bull. U.S. Fish Comm., vol. 11 for 1891, p. 109.

Lecto-paratype (1): SU 2139; Neches River, City of Palestine, Texas. Collector: Barton Warren Evermann; November 24, 1891.
Lecto-holotype: U.S. Nat. Mus. 45557. The type was selected in the original description by Jordan and Evermann 1896, Bull. U.S. Nat. Mus. No. 47, part 1, p. 260, list the above U.S. Nat. Mus. number as the "type"—this amounting to a lectotype designation.

NOTROPIS CHAMBERLAINI Evermann, in: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 3, p. 2800.

Paratypes (4): SU 8570; Atchafalaya River at Melville, Louisiana. Collector: F. M. Chamberlain; May 5, 1897.
Holotype: U.S. Nat. Mus. 48901.

NOTROPIS CHIHUAHUA Woolman 1892, American Naturalist, vol. 26, no. 303, p. 260.

Lecto-paratypes (27): SU 818; Río de Los Conchos at Chihuahua, México. Collector: A. Woolman; July-August, 1891.
Lecto-holotype: U.S. Nat. Mus. 44151.

:ted in the original description, mann 1896, Bull. U.S. Nat Mus. No. 266, give the above U.S. Nat. Mus. "Type"—this amounting to a lectotype designation.

NGSI Myers 1925, American Mus. Nov. p. 168, p. 1, fig. 1.

: SU 24327; Burnt Mill Creek, Wilh Carolina. Collector: George S. 1924.
erican Mus. Nat. Hist. 8391.

RTI Jordan and Meek 1886, Proc. U.S. , vol. 8, no. 470, p. 4.

): SU 1456; Des Moines River, Ottumlectors: David Starr Jordan and Seth September, 1884.
.S. Nat. Mus. 35840?

INEA Jordan and Jenkins, in: Jordan oc. U.S. Nat. Mus., vol. 11, no. 723,

3): SU 624; Reed Creek, a tributary na, near Wytheville, Virginia. Colid Starr Jordan and Barton W. Everof 1888.
.S. Nat. Mus. 39928.

ONALDI Jordan and Jenkins, in: Jordan oc. U.S. Nat. Mus., vol. 11, no. 723,

): SU 597; Luray, Virginia. Collectarr Jordan and Charles H. Gilbert.
.S. Nat. Mus. 39859.

LOPS ALBEOLUS Jordan 1890, Bull. U.S. m., vol. 8 for 1888, p. 122.

5): SU 611; Roanoke River at Roanoke, llectors: David Starr Jordan and Barnn; July 31-August 2, 1888.

ALLICUS Jordan and Meek 1884, Proc. t. Mus., vol. 7, no. 450, p. 475.

1): SU 2527; a tributary of the Altaee) River, at Nashville, Georgia. Col. Taylor.
U.S. Nat. Mus. 28551.

CONIS Evermann 1892, Bull. U.S. Fish vol. 11 for 1891, p. 78.

types (24): SU 21146; Trinity River at nt, near Palestine, Texas. Collector: ermann; November 23, 1891.
otype: U.S. Nat. Mus. 45556. While no lected in the original description, vermann 1896, Bull. U.S. Nat. Mus. No. p. 268, list the above U.S. Nat. Mus. number for the "Type"—this amounting to a lectotype designation.

NOTROPIS ORCA Woolman 1894, Bull. U.S. Fish Comm., vol. 14 for 1894, p. 56.

Syntypes (6): SU 2278; Rio Grande River at El Paso del Norte, Texas. Collector: Albert J. Woolman; summer of 1891.

NOTROPIS RASCONIS Jordan and Snyder 1901, Bull. U.S. Fish Comm., vol. 19 for 1899, p. 121, fig. 3.

Holotype: SU 6153; Río Verde near Rascon, San Luis Potosí, Mexico. Collector: John O. Snyder; January 25, 1899. *Paratypes* (2): SU 6197; data exactly as for holotype.

NOTROPIS RETICULATUS Eigenmann and Eigenmann 1893, The American Naturalist, p. 152.

Syntype (1): SU 541; Fort Qu'Appelle, western Canada. Collector: Carl H. Eigenmann. This specimen is called a syntype because no type specimen was designated in the original description. There is no indication that the largest specimen should be the type, even though its size was given as follows: "Twenty-four specimens from Fort Quappelle. Thirteen specimens, the largest 76 mm. from Brandon."

NOTROPIS SABINAE Jordan and Gilbert 1886, Proc. U.S. Nat. Mus., vol. 9, no. 549, p. 15.

Paratype (1): SU 1071; Sabine River, Longview, Texas. Collectors: David Starr Jordan and Charles H. Gilbert, assisted by Joseph Swain and Seth E. Meek; July-September, 1884.
Holotype: U.S. Nat. Mus. 36484.

NOTROPIS TELESCOPUS ARCANSANUS Meek 1891, Bull. U.S. Fish Comm., vol. 9 for 1889, p. 133.

Syntypes (5): SU 1027; Mammoth Springs, Arkansas. Collector: Seth E. Meek; July-August, 1889.

NOTROPIS UMBRATILIS FASCIOLARIS Gilbert 1891, Bull. U.S. Fish Comm., vol. 9 for 1889, p. 148.

Syntypes (9): SU 937; Huntsville, Alabama. Collector: Philip H. Kirsch; summer of 1889.
Syntypes: Jordan and Evermann 1896, Bull. U.S. Nat. Mus. No. 47, part 1, p. 301, list U.S. Nat. Mus. 42504 for the "type". While this appears to be a lectotype designation, 2 specimens bear the number.

NOTROPIS WELAKA Evermann and Kendall 1898, Bull. U.S. Fish Comm., vol. 17 for 1897, p. 126, pl. 6, fig. 2.

Paratypes (15): SU 9053 (description mistakenly gives 5773); St. Johns River, near Welaka, Florida.

Collector: William C. Kendall; March 19, 1897.
Holotype: U.S. Nat. Mus. 48786.

OPSOPOEODUS OSCULUS Evermann 1892, Bull. U.S. Fish Comm., vol. 11 for 1891, p. 82.

Paratype (1): SU 1127; Sims Bayou, Houston, Texas. Collector: Barton W. Evermann; November 18, 1891.
Holotype: U.S. Nat. Mus. 45560.

PARAPELECUS EIGENMANNI Jordan and Metz 1913, Mem. Carnegie Mus., vol. 6, no. 1, p. 21, pl. 3, fig. 1.

Paratype (1): SU 22392; Suigen, Korea. Collector: David Starr Jordan; summer of 1911.
Holotype: Carnegie Mus. 4565—now at the Chicago Nat. Hist. Mus.

PARAPELECUS MACHAERIUS Abbott 1901, Proc. U.S. Nat. Mus., vol. 23, no. 1221, p. 488, fig.

Syntype? (1): SU 6307; Pei-Ho River, Tien-Tsin, China. Collector: Noah F. Drake; 1898. The description states: "Type.- No. 6307 in Leland Stanford Junior University Museum; also No. 49549, U.S.N.M." The Stanford register states; "1 cotype sent to U.S.N.M., 1 cotype saved."

PHOXINUS (TIGOMA) CLEVELANDI Eigenmann and Eigenmann 1889, West American Scientist, vol. 6, whole no. 49, p. 149.

Syntype (1): SU 630; Aetna Springs, Napa County, California. Collector: D. Cleveland.

PHOXINUS (TIGOMA) ORCUTTI Eigenmann and Eigenmann 1890, Proc. California Acad. Sci., ser. 2, vol. 3, p. 2.

Syntypes (15): SU 858; Temecula River and tributaries, California. Collector: Charles Russell Orcutt; October 22, 1889.
Syntypes: The statement for the types in the original description reads: "Types, over one hundred specimens, the largest .062 m. in length. Temecula River and tributaries. C. R. Orcutt, collector. Oct. 22, 1889. Catalogue No. 1011." No. 1011 refers to the California Academy of Sciences, to which, together with the U.S. Nat. Mus., the types should have gone. Then, Jordan and Evermann 1896, Bull. U.S. Nat. Mus. No. 47, part 1, p. 242, list U.S. Nat. Mus. 41925 as "Type". However, this last number pertains to 17 specimens.

PHOXINUS SEPTENTRIONALIS Jordan and Seale 1906, Proc. U.S. Nat. Mus., vol. 30, no. 1445, p. 143, fig. 1.

Paratypes (9): SU 9257; small stream at Aomori, northern Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900.
Holotype: U.S. Nat. Mus. 53411.

PLAGOPTERUS ARGENTISSIMUS Cope 1874, Proc. can Philosophical Soc., vol. 14, p. 1

**Syntype* (1): SU 2003; Colorado Chiquito Arizona. Collector: G. M. Wheeler. This is is either a syntype or no type at all. Th ity was not mentioned in the original desc but the bottle is labelled "type" and the was collected by Lt. Wheeler.
Syntypes: Jordan and Evermann 1896, Bu Nat. Mus. No. 47, part 1, p. 329, list U. Mus. 15776 as "type". While this appears lectotype designation, 3 specimens bear the

PSEUDASPIUS ATRILATUS Jordan and Thompson Mem. Carnegie Mus., vol. 6, no. 4, pl. 26, fig. 3.

Paratypes (4): SU 22610; Lake Biwa at Mat Japan. Collector: David Starr Jordan; autumn, 1911.
Holotype: Carnegie Mus. 6012a—now at t cago Nat. Hist. Mus.

PSEUDASPIUS BERGI Jordan and Metz 1913, negie Mus., vol. 6, no. 1, p. 22, fig. 2.

Paratypes (3): SU 22393; Chinnampo, Korea lector: David Starr Jordan; summer of 19
Holotype: Carnegie Mus. 4563—now at the Nat. Hist. Mus.

PSEUDASPIUS MODESTUS Jordan and Metz 191 Carnegie Mus., vol. 6, no. 1, p. 23, fig. 3.

Paratypes (6): SU 22394; Chinnampo, Korea lector: David Starr Jordan; summer of 1911
Holotype: Carnegie Mus. 4561—now at the Nat. Hist. Mus.

PSEUDOGOBIO DRAKEI Abbott 1901, Proc. U. Mus., vol. 23, no. 1221, p. 486, fig.

Paratypes (13): SU 6304; Pei-Ho River, Ti China. Collector: Noah F. Drake; 1898. *type* cannot now be located. The design types in the original description is as "Type.- No. 6303 in Leland Stanford Junior sity Museum; also No. 49547, U.S.N.M. Tw types (No. 6304)..." It may be that this amount to a proper type selection, or, that belongs at Stanford may be mixed in t paratype bottle—as it was supposed to only 12 specimens.

PTYCHIDIO JORDANI Myers 1930, Copeia, 112, fig.

Holotype: SU 23927; Central Formosa Polisia or Kagi). Collector: Victor Kühn This fish is probably not native to Form is probably endemic to the West River (Hs or Hsun Chiang), in Kwangtung and Kwang inces, China. The type probably was tra to Formosa as a larva, in the great Chin

. This industry centers at Ts'ang-Wu
si, whence millions of fry of sev-
e or used to be shipped annually to
lities as Singapore and Formosa for
ponds.

MPQUAE Snyder 1908, Bull. U.S. Bur-
vol. 27 for 1907, p. 170, fig. 2.

): SU 9862; Callapooia Creek, Oak-
Collectors: U.S. Fish Commission
tion of Charles H. Gilbert.
Nat. Mus. 61577.

US BANESI Herre 1940, Bull. Raffles
16, p. 31.

pe: SU 33900; brook, 18 miles east
awak, Borneo. Collector: Albert W.
arch, 1938 (Stanford register gives
937, this probably being correct).
s (21): SU 33903; data exactly as
ing. This should be considered the
a lectotype. While Dr. Herre in-
ere be a holotype separated from the
had the specimens so marked in the
uch a designation was omitted from
escription.

STLEI Herre 1940, Bull. Raffles Mus.,
. 32.

ype: SU 14172; Chanderoh Dam, Perak,
ector: Albert W. C. T. Herre; March
to-paratypes (5): SU 14173; locality
as above; March 18, 1937, also 1934.
e considered the designation of a
ile Dr. Herre intended that there be
parated from the paratypes (and had
so marked in the collection), such a
s omitted from the description.

OINGENSIS Herre 1940, Bull. Raffles
. 16, p. 11, pl. 5.

SU 33014; 18 miles east of Kuching,
eo. Collector: Albert W. C. T. Herre;
1937. *Paratypes* (2): SU 33015; data
r holotype.

RI Oshima 1919, Ann. Carnegie Mus.,
nos. 2-4, p. 216, pl. 50, fig. 2.

): SU 23143; Rigyokutsu, Nanto, For-
tor: probably Takao Aoki; December,
ypes (3): SU 23134; Daito River, For-
tor: Masamitsu Oshima on bottle, but
ao Aoki; 1915-1917. *Paratype* (1):
uyama near Taihoku, Formosa. Collec-
su Oshima. The Stanford register gives
but it was possibly Takao Aoki.
formerly in the Carnegie Mus.—now at
Nat. Hist. Mus.

I Fowler 1937, Proc. Acad. Nat. Sci.
lphia, vol. 89, p. 167, fig. 103.

Paratypes (3): SU 17352; Me Poon, Siam. Collector: Rodolphe M. de Schauensee; 1936. Formerly Philadelphia Acad. Nat. Sci. 68044-68046.
Holotype: Acad. Nat. Sci. Philadelphia 68021.

RASBORA DORSINACULATA Herre 1940, Bull. Raffles Mus., no. 16, p. 9, pl. 3.

Holotype: SU 33021; a brook 16 miles east of Kuching, Sarawak, Borneo. Collector: Albert W. C. T. Herre; February 16, 1937.

RASBORA ELEGANS BUNGURANENSIS Brittan 1951, Proc. California Zool. Club, vol. 2, no. 1, p. 3, fig. 2.

Paratypes (2): SU 15328; Bunguran Island (Great Noetoena), midway between Borneo and Malaya. Collector; Everett; October, 1893.
Holotype: British Mus, Nat. Hist. 1912.12.10.11.

RASBORA PAUCIPERFORATA Weber and de Beaufort 1916, Fishes of the Indo-Australian Archipelago, vol. 3, p. 78, fig. 28.

Paratypes (4): SU 15335; Goenoeng Sahilan, west central Sumatra. Collector: Dr. Kleiweg de Zwaan.
Holotype: in the Zoological Museum of Amsterdam.

RASBORA RETICULATA Weber and de Beaufort 1915, Fische aus dem Süsswasser von Nias, in: Kleiweg de Zwaan, Die Insel Nias bei Sumatra, p. 270.

Paratypes (3): SU 15336; Lelewoea, Nias Island. Collector: Dr. Kleiweg de Zwaan.
Holotype: in the Zoological Museum of Amsterdam.

RASBORA RETRODORSALIS Smith 1945, Bull. U.S. Nat. Mus. No. 188, p. 110, fig. 12.

Paratype (1): SU 15337; pond in Bangkok connected with a canal and thence with the Menam Chao Phya, Siam. Collector: Hugh M. Smith; March 18, 1924. This specimen was formerly U.S. Nat. Mus. 10379.
Holotype: U.S. Nat. Mus. 119520.

RASBORA RUTTENI Weber and de Beaufort 1916, Fishes of the Indo-Australian Archipelago, vol. 3, p. 68, fig. 26.

Paratype (1): SU 15338; Sungi Wain, Borneo. Collector: L. Rutten.
Holotype: in the Zoological Museum of Amsterdam.

RASBORA SARAWAKENSIS Brittan 1951, Proc. California Zool. Club, vol. 2, no. 1, p. 1, fig. 1.

Holotype: SU 15375 (15367 in the paper); brook sixteen miles east of Kuching, Sarawak, Borneo Island. Collector: Albert W. C. T. Herre; February 16, 1937. *Paratypes* (11): SU 33567; data exactly as for holotype. *Paratypes* (3): SU 33595; Rejang River, Sarawak, Borneo Island. Collector: Albert W. C. T. Herre; February, 1937.

RASBORA SEMILINEATA Weber and de Beaufort 1916, Fishes of the Indo-Australian Archipelago, vol. 3, p. 80.

Paratype (1): SU 15339; upper course of Sungei Wain, Borneo Island. Collector: L. Rutten.
Holotype: in the Zoological Museum of Amsterdam.

RASBORA TAWARENSIS Weber and de Beaufort 1916, Fishes of the Indo-Australian Archipelago, vol. 3, p. 63.

Paratype (1): SU 15340; Lake Tawar, Atchin, Sumatra (Laut Tawar, a large lake situated in the interior of Atchin, Gajo-territory). Collector: v. d. Werff; 1912.
Holotype: in the Zoological Museum of Amsterdam.

RHINICHTHYS BOWERSI Goldsborough and Clark 1908, Bull. U.S. Bureau Fish., vol. 27 for 1907, p. 36, fig.

Paratype (1): SU 21035; Cheat River at Cheatbridge, West Virginia. Collectors: U.S. Bureau of Fisheries.
Holotype: U.S. Nat. Mus. 61576.

RHINICHTHYS EVERMANNI Snyder 1908, Bull. U.S. Bureau Fish., vol. 27 for 1907, p. 178, fig. 4.

Paratypes (4): SU 9864; South Umpqua River, Roseburg, Oregon. Collectors: Frank Cramer and Keinosuke Otaki; June 22, 1894.
Holotype: U.S. Nat. Mus. 61572.

RHINICHTHYS (APOCOPE) NEVADENSIS Gilbert 1893, North American Fauna, no. 7, p. 230, pl. 6, fig. 1.

Syntypes (2): SU 706; warm springs at Ash Meadows, Nye County, Nevada. Collector: T. S. Palmer; November 4, 1891. *Syntypes* (2): SU 657; Ash Meadows, Amargosa Desert, Nye County, Nevada. Collector: A. K. Fisher; March 3, 1891. *Syntypes* (3): SU 703; Indian Creek, Nye County ?, Nevada. Collector: Vernon Bailey; November 27, 1890.

RHINICHTHYS (APOCOPE) VELIFER Gilbert 1893, North American Fauna, no. 7, p. 229, pl. 6, fig. 2.

Syntype (1): SU 704; hot spring in Pahranagat Valley, Nevada. Collectors: C. Hart Merriam and Vernon Bailey; May 25, 1891.

RHODEUS CHOSENICUS Jordan and Metz 1913, Mem. Carnegie Mus., vol. 6, no. 1, p. 19, pl. 2, fig. 2.

Paratypes (2): SU 22391; Suigen, Korea. Collector: David Starr Jordan; summer of 1911.
Holotype: Carnegie Mus. 4567—now at the Chicago Nat. Hist. Mus.

RHODEUS KURUMEUS Jordan and Thompson 1914, Mem. Carnegie Mus., vol. 6, no. 4, p. 229, pl. 26, fig. 2.

Holotype: SU 22605; Chikugo River at Fu Kiusiu, Japan. Collectors: David Starr J John O. Snyder; summer of 1900. *Paratype* SU 22644; data exactly as for holotype.

RHODEUS ORYZAE Jordan and Seale 1906, Pro Nat. Mus., vol. 30, no. 1445, p. 144.

Paratypes (4): SU 9258; ditch in a rice f Kawatana, northwest of Nagasaki, on the is Kiusiu, in Japan. Collectors: David Starr and John O. Snyder; summer of 1900.
Holotype: U.S. Nat. Mus. 53412.

RICHARDSONIUS MICRODON Snyder 1917, Bul Bureau Fish., vol. 35 for 1915-1916, p

Paratypes (2): SU 22667; Lake Tahoe, nea City, California. Collectors: John O. Sny Robert E. Richardson; June 27, 1911.
Holotype: U.S. Nat. Mus. 75652.

RUTILUS COLUMBIANUS Snyder 1908, Bull. U.S. Fish., vol. 27 for 1907, p. 92, fig.

Paratypes (23): SU 9816; Warm Springs, County, Oregon. Collectors: U.S. Bureau eries. *Paratypes* (2): SU 4106; market at P Oregon. Collector: Charles H. Gilbert. T several "drawn" labels in this bottle. P (5): SU 28789; Warm Springs, Harney County, Collectors: John O. Snyder, Edwin C. Star Earl L. Morris; July 20, 1904.
Holotype: U.S. Nat. Mus. 55595.

RUTILUS OREGONENSIS Snyder 1908, Bull. U.S Fish., vol. 27 for 1907, p. 87, fig.

Paratypes (39): SU 9811; spring at Alka Lake County, Oregon. Collectors: John O. Edwin C. Starks, and E. L. Morris; July 2 *Paratypes* (57): SU 9812; Bridge Creek, Lake Oregon. Collectors: U.S. Bureau of Fi *Paratypes* (29): SU 9813; Ana River, Lake Oregon (Station 15). Collectors: John O. Edwin C. Starks, and E. L. Morris; August *Paratypes* (32): SU 9814; Warner Creek, Lak Oregon. Collectors as for paratypes just ing; July 15, 1904. *Paratypes* (15): Chewaucan River below Paisley, Lake Cou gon. Collectors: U.S. Bureau of Fisheries *types* (35): SU 9858; spring at the nort Albert Lake, Lake County, Oregon. Col John O. Snyder, Edwin C. Starks, and E. L July 28, 1904.
Holotype: U.S. Nat. Mus. 55596.

SCAPHESTHES TANUSUIENSIS Oshima 1919, negie Mus., vol. 12, nos. 2-4, p. 50, fig. 1.

Paratypes (2): SU 23013; Tumusui Ri Shinten, Formosa. Collector: Takao Aok ber, 1916.
Holotype: was in the Carnegie Mus.—n Chicago Nat. Hist. Mus.

OHAVENSIS Snyder 1918, Proc. U.S. Nat. ol. 54, no. 2236, fig.

(21): SU 23046; Mohave River, Victor- ornia. Collector: Clarence H. Kennedy; 915. *Paratypes* (101): SU 23082; data receding. *Paratypes* (146): SU 33939; the preceding.
U.S. Nat. Mus. 76837.

MONI Rosa Smith 1884, Bull. California ci., vol. 1, p. 41.

1): SU 24128; Rillitto Creek, a small he Santa Catalina Mountains, 7 miles on, Arizona. Collector: J. G. Lemmon; 1883. This specimen should probably d lectotype of the species since it is riginal 4 specimens described and the probably destroyed in the San Fran-

SARGENTIFER Abbott 1901, Proc. U.S. Nat. ol. 23, no. 1221, p. 484, fig.

(31): SU 6300; Pei-Ho River at Tien- . Collector: Noah F. Drake; 1898. The f there is one, cannot now be found. ent of the types in the original de- s as follows: "Type.- No. 6299 in Leland nior University Museum; also No. 49545, It is possible that the holotype was ith the above Stanford paratypes, or s sent to the U.S. National Museum by

POPOCHE Jordan and Snyder 1901, Bull. ish Comm., vol. 19 for 1899, p. 123, 5.

SU 6151; Laguna de Chapala, near Ocot- co, México. Collector: John O. Snyder; , 1898.

ANS Jordan and Evermann 1902, Proc. U.S. Mus., vol. 25, no. 1289, p. 322, fig. 5.

: SU 7129; Taihoku, Formosa. Collector: Tada. *Paratype* (1): SU 7333; data ex- or nolotype. *Paratype* (1): SU 7271; Collector: Tsunasuke Tada.

Family COBITIDAE

THALMUS MYERSI Harry 1949, Proc. Biol. Washington, vol. 62, p. 69.

(1): SU 14888; Nong Khor, S. E. Siam. Hugh M. Smith; February 11, 1927.
: U.S. Nat. Mus. 103300.

THALMUS (COBITOPHIS) MURAENIFORMIS de lfort 1933, Bull. Raffles Mus., no. 8, 32.

Syntype (1): SU 32602; Thompson Road, Singapore Island, Malaya. From the collections of the Raffles Museum. Collected May 16, 1912.

ACANTHOPSIS LACHNOSTOMA Rutter 1897, Proc. Acad. Nat. Sci. Philadelphia, p. 60.

Holotype: SU 1812; Swatow, Kwangtung Province, China. Collector: Adele M. Fielde and sent to Indiana University in 1885, from where it was purchased by Stanford while as yet unworked.

COBITIS MULTIFASCIATUS Wakiya and Mori 1929, Journ. Chosen Nat. Hist. Soc., no. 9, p. 1, pl. 2, fig. 1.

Paratype (1): SU 23970; Rakuto River at Taikyu, Korea. Collector: Yojiro Wakiya.
Holotype: place of deposition not known.

COBITOPHIS PERAKENSIS Herre 1940, Bull. Raffles Mus., no. 16, p. 8, pl. 2.

Holotype: SU 33004; lake above Chenderoh Dam, Perak. Collector: Albert W. C. T. Herre; March 19, 1937. *Paratypes* (3): SU 33005; data exactly as for holotype.

ELXIS COREANUS Jordan and Starks 1905, Proc. U.S. Nat. Mus., vol. 28, no. 1391, p. 201, fig. 7.

Paratypes (77): SU 8661 (no. 8061, according to the description); Korea (Gensan and Fusan specimens evidently mixed). Collector: Pierre Louis Jouy; 1885.
Holotype: U.S. Nat. Mus. 45243.

ELXIS NIKKONIS Jordan and Fowler 1903, Proc. U.S. Nat. Mus., vol. 26, no. 1332, p. 768, fig. 1.

Holotype: SU 7848; Chitose, in Iburi, Hokkaido, Japan. Presented to Stanford by the Sapporo Museum. *Paratype* (1): SU 7147; data exactly as for holotype. *Paratypes* (8): SU 7485; province of Shimotsuke, near Nikko, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900.

HOMALOPTERA HINGI Herre 1934, Lingnan Sci. Journ., vol. 13, no. 2, p. 287.

Holotype: SU 29086; amid rocks in pools of a mountain torrent, at Pok Fu Lam, Hong Kong, China; elevation, approximately 1000 feet. Collector: Albert W. C. T. Herre; February 2, 1934. *Paratypes* (21): SU 16112; data exactly as for holotype.

LEFUA ECHIGONIA Jordan and Richardson 1907, Proc. U.S. Nat. Mus., vol. 33, no. 1570, p. 263, fig. 1.

Holotype: SU 20164; stream near Nagaoka, in Echigo, Japan, on the northwestern part of the island of Hondo. Collector: Masao Nakamura.

LEFUA HOFFMANNI Herre 1932, Lingnan Sci. Journ., vol. 11, no. 3, p. 429.

Holotype and 3 *paratypes*: SU 25727; Kwangtung Province, China. Collectors: Lingnan University. These specimens have been mixed and are in the same bottle; the paratypes are numbered 25728, 25729, and 25730 and each bears slightly different data.

NEMACHEILUS CHENI Herre and Lin 1936, Bull. Chekiang Prov. Fish. Exper. Station, vol. 2, no. 7, p. 20, figs. 6 and 6a.

Paratype (1): SU 35257; swift waters of the upper Tsien Tang River, Chekiang Province, China. Collector: Shu-Yen Lin; November 12, 1935.
Holotype: probably at the Chekiang Provincial Fisheries Experiment Station, at Tinghai, Chusan Island, China.

OREONECTES SAYU Herre and Lin 1936, Bull. Chekiang Prov. Fish. Exper. Station, vol. 2, no. 7, p. 19.

Holotype: SU 32584; upper waters of the Tsien Tang River, Chekiang Province, China. Collector: Albert W. C. T. Herre in the Stanford register, probably should be Shu-Yen Lin; November 12, 1935.

Family HOMALOPTERIDAE

CHOPRAIA RUPICOLA Prashad and Mukerji 1929, Rec. Indian Mus., vol. 31, part 3, p. 188, fig. 6, and pl. 8, fig. 3.

Paratype (1): SU 28726; Sankha, a large hill-stream, midway between Kamaing and Mogaung, Myitkyina District, Upper Burma. Collectors: a party of the Zoological Survey of India under the leadership of B. N. Chopra; October-December, 1926.
Holotype: Zool. Survey of India (Indian Museum) F. 10 79/1.

CROSSOSTOMA FANGI Nichols 1931, Lingnan Sci. Journ., vol. 10, nos. 2 and 3, p. 263, fig.

Paratype (1): SU 29085; Loh Tau Shan, Kwangtung Province, China. Collector: William E. Hoffmann.
Holotype: Lingnan University Collections P-81.

CROSSOSTOMA TINKHAMI Herre 1934, Lingnan Sci. Journ., vol. 13, no. 2, p. 286.

Paratype (1): SU 29084; Loh Fau Shan, Kwangtung Province; China; elevation, 3500 feet. Collector; E. R. Tinkham; August 7, 1933.
Holotype: in the collection of the Lingnan Nat. ural History Survey and Museum.

FORMOSANIA GILBERTI Oshima 1919, Ann. Carnegie Mus., vol. 12, nos. 2-4, p. 194, pl. 49, figs. 1-2.

Paratype (1): SU 23120; Tamusui River near Shinten, Formosa. Collector: Takao Aoki; D. 1916.
Holotype: was in the Carnegie Mus.—no. Chicago Nat. Hist. Mus.

HOMALOPTERA (NEOHOMALOPTERA) JOHORENSIS 1944, Proc. Biol. Soc. Washington, v. p. 51.

Holotype: SU 39840; brook near Simpang, Johore, Malaya. Collector: Albert W. C. T. October 12, 1940. *Paratype* (1): SU 39841 exactly as for holotype.

HOMALOPTERA MONTANA Herre 1945, Journ. Wash Acad. Sci., vol. 35, no. 12, p. 400.

Holotype: SU 39871; brook on the Putt Estate in the Anamallai Hills at about 36 altitude, Valparai Postoffice, Madras Pres South India. Collector: Albert W. C. T. January 10, 1941.

HOMALOPTERA TWEEDIEI Herre 1940, Bull. R Mus., no. 16, p. 7, pl. 1.

Holotype: SU 33012; shallow rapid creek Mawai district, Johore, about 40 miles no Singapore. Collector: A. W. C. T. Herre; F 27, 1937. *Paratypes* (2): SU 33013; data as for holotype.

PARHOMALOPTERA DISPARIS Lin 1934, Lingna Journ., vol. 13, no. 2, p. 225, figs. and 4.

Paratypes (3): SU 30981; White Cloud Mou Canton, China. Collector: Shu-Yen Lin; 1932.
Holotype: Canton Fisheries Experiment St H. 15.

PSEUDOGASTROMYZON HOFFMANNI Herre 1938, L Sci. Journ., vol. 17, no. 3, p. 429,

Holotype: SU 33002; Cheung Kon Ts'uen, China. Collector: F. K. To. *Paratype* (33003; data exactly as for holotype.

PSEUDOGASTROMYZON MYERSI Herre 1932, Lingn Journ., vol. 11, no. 3, p. 430, fig. 1

Holotype: SU 25731; Hong Kong Island. Col William E. Hoffmann; February 27, 1926.

Family ARIIDAE

ARIUS KANGANAMANENSIS Herre 1935, Field Mu Hist., Publ. 335, zool. ser., vol. 1 12, p. 387, fig. 32.

Paratype (1): SU 24450; Kanganaman, Sepik New Guinea (175 miles from the sea). Col

...e Herre; May 15, 1929.
...hicago Nat. Hist. Mus. 17194.

...e 1935, Field Mus. Nat. Hist., Publ. ...ol. ser., vol. 18, no. 12, p. 388.

...3): SU 24452; Nyaurangai, Sepik River, ... 85 miles from the sea). Collector: ... T. Herre; May 22, 1929. *Paratypes* ...; Kanganaman, Sepik River, New Guinea ...rom the sea). Collector as above;

...hicago Nat. Hist. Mus. 17195.

...S Herre 1935, Field Mus. Nat. Hist., ...5, zool. ser., vol. 18, no. 12, p. 385.

...4): SU 24445; Nyaurangai, Sepik River, ... 185 miles from the sea). Collector: ... T. Herre; May 22, 1929. *Paratypes* ...; Kanganaman, Sepik River, New Guinea ...om the sea). Collector as above; May ...*Paratype* (1): SU 24447; Timbunke (or ... Sepik River, New Guinea (120 miles ...). Collector as above; May 14, 1929. ... SU 24449; Kabarao, Sepik River, New ... miles from the sea). Collector as ...1, 1929. *Paratype* (1): SU 24448; Kor-...River, New Guinea (185 miles from the ...ctor as above; May 22, 1929.
... Chicago Nat. Hist. Mus. 17201.

... *AZUREUS* Jordan and Williams, in: Jor-...5, Proc. California Acad. Sci., ser. 2, ... p. 398, pl. 27.

... SU 11575; Mazatlán Estuary, Sinaloa, ...llectors: David Starr Jordan and party ...ins Expedition; December 24, 1894-Jan-...95.

... *EIGENMANNI* Gilbert and Starks 1904, ...alifornia Acad. Sci., vol. 4, p. 21, pl. ... 7.

... SU 6986; Panamá. Collected by Charles ... et al; 1896. *Paratype* (1): SU 12878; ...ly as for holotype. *Paratype* (1): SU ... exactly as for holotype. *Paratype* (1): ...ata exactly as for holotype.

... *GILBERTI* Jordan and Williams, in: Jor-... 895, Proc. California Acad. Sci., ser. ...l. 5, p. 395, pl. 26.

...s (3): SU 11666, 11667, 11668; sandy ...n the upper part of the astillero at ... Sinaloa, México. Collectors: David ...an and party on the Hopkins Expedition; ...4, 1894-January 25, 1895. *Paratypes* (2): ...ata exactly as for the preceding.
...: U.S. Nat. Mus. 29213.

... *XENAUCHEN* Gilbert, in: Jordan and ...mann 1898, Bull. U.S. Nat. Mus. No. 47, ...3, p. 2777.

Holotype: SU 5821; Panamá. Collectors: Charles H. Gilbert et al; 1896.

HEMIPIMELODUS PAPILLIFER Herre 1935, Field Mus. Nat. Hist., Publ. 335, zool. ser., vol. 18, no. 12, p. 390.

Paratype (1): SU 24453; Marienberg, Sepik River, New Guinea (40 miles from the sea). Collector: Albert W. C. T. Herre; May 27, 1929.
Holotype: Chicago Nat. Hist. Mus. 17211.

NETUMA MAZATLANI Gilbert 1904, Proc. California Acad. Sci., ser. 3, Zoology, vol. 3, no. 9, p. 255, pl. 25.

Holotype: SU 7138; Mazatlán, Sinaloa, México. Collectors: David Starr Jordan and party on the Hopkins Expedition; December 24, 1894-January 25, 1895.

TACHYSURUS EMMELANE Gilbert, in: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 3, p. 2785.

Holotype: SU 5818; Panamá. Collectors: Charles H. Gilbert et al; 1896.

TACHYSURUS EVERMANNI Gilbert and Starks 1904, Mem. California Acad. Sci., vol. 4, p. 32, pl. 5, fig. 10.

Holotype: SU 6706; Panamá Bay. Collectors: Charles H. Gilbert et al; 1896.

TACHYSURUS LIROPUS Bristol, in: Gilbert 1897, Proc. U.S. Nat. Mus., vol. 19, no. 1115, p. 438.

Paratypes (3): SU 234; from San Juan Lagoon, near the mouth of the Río Ahome, Sonora, México. Collector: "Albatross"; April 2, 1889.
Holotype: U.S. Nat. Mus. 47584.

TACHYSURUS STEINDACHNERI Gilbert and Starks 1904, Mem. California Acad. Sci., vol. 4, p. 29, pl. 5, fig. 9.

Holotype: SU 7026; Panamá. Collectors: Charles H. Gilbert et al; 1896. *Paratype* (1): SU 7027; data exactly as for holotype.

Family DORADIDAE

DORAOPS ZULOAGAI Schultz 1944, Proc. U.S. Nat. Mus., vol. 94, no. 3172, p. 271, fig. 5; pl. 7, A.

Paratype (1): SU 41005; Río Negro, about 3 kilometers below the mouth of the Río Yasa, Santa Ana System, Maracaibo Basin, Venezuela. Collector: Leonard P. Schultz; March 2, 1942.
Holotype: U.S. Nat. Mus. 121015.

HEMIDORAS MICROSTOMUS Eigenmann 1912, Mem. Carnegie Mus., vol. 5, p. 193, pl. 18, fig. 2.

Paratype (1): SU 21782; Crab Falls, Essequibo River, British Guiana. Collector: Carl H. Eigenmann; 1908.
Holotype: Carnegie Mus. 1650—now at the Chicago Nat. Hist. Mus.

LEPTODORAS LINNELLI Eigenmann 1912, Mem. Carnegie Mus., vol. 5, p. 191, pl. 17, fig. 1 and pl. 18, fig. 1.

Paratype (1): SU 21940; Tumatumari, Lower Potaro River, British Guiana. Collector: Carl H. Eigenmann; 1908.
Holotype: Carnegie Mus. 1626—now at the Chicago Nat. Hist. Mus.

ORINOCODORAS EIGENMANNI Myers 1927, Bull. Mus. Comp. Zool. Harvard, vol. 68, no. 3, p. 124.

Paratype (1): SU 18077; Caño de Quiribana, near Caicara, Venezuela. Collector: Carl Ternetz; May, 1925. Formerly Indiana Univ. Mus. 17690.
Holotype: Indiana Univ. Mus. 17689—now at the California Acad. Sci.

Family AUCHENIPTERIDAE

AUCHENIPTERUS BREVIOR Eigenmann 1912, Mem. Carnegie Mus., vol. 5, p. 202.

Paratype (1): SU 21934; Tumatumari, Lower Potaro River, British Guiana. Collector: Carl H. Eigenmann; 1908.
Holotype: Carnegie Mus. 1715a—now at the Chicago Nat. Hist. Mus.

PSEUDEPAPTERUS CUCUHYENSIS Böhlke 1951, Stanford Ichthyological Bull., vol. 4, no. 1, p. 38, fig. 1.

Holotype: SU 16788; sandbank at Cucuhy on the Colombian border, Rio Negro, Brazil. Collector: Dr. Carl Ternetz; February 14, 1925.

Family SILURIDAE

HERKLOTSELLA ANOMALA Herre 1933, Hong Kong Naturalist, vol. 4, no. 2, p. 179.

Holotype: SU 26769; market at Hong Kong, China. Collector: Albert W. C. T. Herre; October, 1931.
Paratypes (2): SU 14841; data exactly as for holotype.

SILURUS GOAE Haig 1950, Rec. Indian Mus., vol. 48, parts 3 and 4, p. 77, fig.

Holotype: SU 41889; Goa, Portuguese India. Collector: Albert W. C. T. Herre; 1940-1941.

The single *paratype*, listed as SU 41888 original description, has been deposite Indian Museum.

Family BAGRIDAE

AORIA HENRYI Herre 1932, Lingnan Sci. Jour 11, no. 3, p. 432.

Holotype and 2 *paratypes*: SU 25724; wn fish market at Canton, China. Collector W. C. T. Herre; September 24, 1931. These mens are mixed, the largest being the holo

LIOCASSUS HIRSUTUS Herre 1934, Lingnan Sci. vol. 13, no. 2, p. 285.

Holotype: SU 13884; Wuchow, Kwangsi Pr China. Collector: Albert W. C. T. Herre; 15, 1934. *Paratype* (1): SU 13885; data ex for holotype.

MYSTUS JOHORENSIS Herre 1940, Bull. Raffl no. 16, p. 13, pls. 7 and 8.

Holotype: SU 33026; Sungai Kayu, 16 mile of Kota Tinggi, Johore. Collector: Albert Herre; February 24, 1937.

MYSTUS PAHANGENSIS Herre 1940, Bull. Raffl no. 16, p. 14, pl. 9.

Holotype: SU 33025; Sungai Garam, near Pahang. Collector: Albert W. C. T. Herre 1937.

PSEUDOBAGRUS ADIPOSALIS Oshima 1919, Ann. Mus., vol. 12, nos. 2-4, p. 181, pl. 48,

Paratypes (4): SU 23175; Tamusui River, Collector: Takeo Aoki (the Stanford regist M. Oshima); 1915-1917.
Holotype: formerly in the Carnegie Mus. the Chicago Nat. Hist. Mus.

PSEUDOBAGRUS TAIWANENSIS Oshima 1919, Ann. Mus., vol. 12, nos. 2-4, p. 180, pl. 48,

Paratypes (2): SU 23128; Shinchiku, Collector: Takeo Aoki (the Stanford regist M. Oshima); 1915-1917.
Holotype: formerly in the Carnegie Mus. the Chicago Nat. Hist. Mus.

Family AMEIURIDAE

ISTLARIUS BALSANUS Jordan and Snyder 19 U.S. Fish Comm., vol. 19 for 1899, figs. 1 and 2.

Holotype (plus the two jaw parts ill

. : SU 6149; Río Ixtla, at Puente de Ixtla, . México. Collectors: David Starr Jor- ohn O. Snyder; January 3, 1899. *Para-* : SU 6208; data exactly as for holo-

. *UNEBRIS* Gilbert and Swain 1891, Bull. U.S. Comm., vol. 9 for 1889, p. 153.

aratype (1): SU 3952; from a spring run to North River, near Tuscaloosa, Alabama. s: Charles H. Gilbert and Joseph Swain; 1884.
olotype: U.S. Nat. Mus. 36696. While no selected in the original description, d Evermann 1896, Bull. U.S. Nat. Mus. art 1, p. 147, list the above U.S. Nat. er for the "type"—this amounting to a designation.

URIOSUS Jordan and Meek, in: Jordan 1889, . U.S. Nat. Mus., vol. 11, no. 723, 351.

es (2): SU 1380; from the Neuse River at e, near Raleigh, North Carolina. Collec- d Starr Jordan; summer of 1888.
es: Jordan and Evermann 1896, Bull. U.S. . No. 47, part 1, p. 149, list U.S. Nat. 32 for the "type". While this appears to totype designation, 3 specimens bear the

GILBERTI Jordan and Evermann, in: Jordan 9, Proc. U.S. Nat. Mus., vol. 11, no. 723, 352.

paratypes (4): SU 1335; from the Roanoke oanoke, Virginia. Collector: David Starr summer of 1888.
holotype: U.S. Nat. Mus. 39931. While no s selected in the original description, and Evermann 1896, Bull. U.S. Nat. Mus. part 1, p. 148, list the above U.S. Nat. ber for the "type"—this amounting to a e designation.

NOCTURNUS Jordan and Gilbert 1886, Proc. . Nat. Mus., vol. 9, no. 549, p. 6.

pes (4): SU 562; from the Poteau River, .s. Collectors: David Starr Jordan and H. Gilbert; 1884. *Syntypes* (2): SU 564; hia, Arkansas. Collectors as above; July- er, 1884.
pes: Jordan and Evermann 1896, Bull. U.S. s. No. 47, part 1, p. 146, list U.S. Nat. 461 for the "type". While this appears to totype designation, 3 specimens bear the

IUS PRICEI Rutter 1896, Proc. California ad. Sci., ser. 2, vol. 6, p. 257.

pes (5): SU 4826; San Bernardino Creek, near the northern border of Sonora, México. Collector: William Wightman Price; 1894.

Family AMBLYCIPITIDAE

LIOBAGRUS NANTOËNSIS Oshima 1919, Ann. Carnegie Mus., vol. 12, nos. 2-4, p. 183, pl. 48, fig. 3.

Paratype (1): SU 23132; Dainansho, Nanto, Formosa. Collector: Takao Aoki (catalogue gives M. Oshima); 1915-1917.
Holotype: formerly in the Carnegie Mus.—now at the Chicago Nat. Hist. Mus.

Family AKYSIDAE

PARAKYSIS VERRUCOSA Herre 1940, Bull. Raffles Mus., no. 16, p. 12, pl. 6.

Holotype: SU 33009; Mawai District, Johore. Collector: Albert W. C. T. Herre; February 25 (the Stanford register gives 27), 1937. *Paratypes* (8): SU 33010; exactly as for holotype. *Paratypes* (3): 33011; small brook 18 miles east of Kuching, Sarawak, Borneo. Collector: Albert W. C. T. Herre; February 16, 1937.

Family SISORIDAE

GLYPTOTHORAX HOUSEI Herre 1942, Stanford Ichthyological Bull., vol. 2, no. 4, p. 117, fig. 1.

Holotype: SU 36531; from rapids in a mountain stream in the Anamallai Hills, Puthutotam Estate, 4 miles east of Valparai, Pollachi District, South India; elevation, approximately 3600 feet. Collector: Albert W. C. T. Herre; January 10, 1941. *Paratypes* (51): SU 36532; data exactly as for holotype.

Family PANGASIIDAE

PANGASIUS PONDEROSUS Herre and Myers 1937, Bull. Raffles Mus., no. 13, p. 67, pl. 6.

Holotype: SU 14162; Chanderoh Dam, Perak, Malaya. Collector: Albert W. C. T. Herre; March 1934.

Family PIMELODIDAE

BRACHYGLANIS MELAS Eigenmann 1912, Mem. Carnegie Mus., vol. 5, p. 157, pl. 11, fig. 2.

Paratype (1): SU 21905; Crab Falls, Essequibo River, British Guiana. Collector: Carl H. Eigenmann; 1908.

Holotype: Carnegie Mus. 1672—now at the Chicago Nat. Hist. Mus.

CHASMOCRANUS LONGIOR Eigenmann 1912, Mem. Carnegie Mus., vol. 5, p. 160, pl. 14, fig. 2 and fig. 33.

Paratype (1): SU 21929; Amatuk, Lower Potaro River, British Guiana. Collector: Carl H. Eigenmann; 1908.
Holotype: Carnegie Mus. 1655—now at the Chicago Nat. Hist. Mus.

LEPTOGLANIS ESSEQUIBENSIS Eigenmann 1912, Mem. Carnegie Mus., vol. 5, p. 158, pl. 13, fig. 2.

Paratype (1): SU 21903; Warraputa Falls, Essequibo River, British Guiana. Collector: Carl H. Eigenmann; 1908.
Holotype: Carnegie Mus. 1652—now at the Chicago Nat. Hist. Mus.

LEPTORHAMDIA MARMORATA Myers 1928, Ann. Mag. Nat. Hist., ser. 10, vol. 2, p. 83.

Paratype (1): SU 18079; rock pools at São Gabriel Rapids, Rio Negro, Brazil. Collector: Carl Ternetz; January-February, 1925.
Holotype: formerly in the Indiana Univ. Mus.—now at the California Acad. Sci.

MEGALONEMA XANTHUM Eigenmann 1912, Indiana Univ. Studies, no. 16, p. 16.

Paratypes (6): SU 22775; Apulo, Colombia. Probably collected by Manuel Gonzales.
Holotype: Carnegie Mus. 4822—now at the Chicago Nat. Hist. Mus.

MYOGLANIS POTAROËNSIS Eigenmann 1912, Mem. Carnegie Mus., vol. 5, p. 159, pl. 14, fig. 1.

Paratype (1): SU 21932; Tukeit, Lower Potaro River, British Guiana. Collector: Carl H. Eigenmann; 1908.
Holotype: Carnegie Mus. 1664—now at the Chicago Nat. Hist. Mus.

PIMELODELLA MACTURKI Eigenmann 1912, Mem. Carnegie Mus., vol. 5, p. 170, pl. 16, fig. 1.

Paratype (1): SU 21898; Choca trenches at Morowhanna, British Guiana. Collector: S. E. Shideler; 1908.
Holotype: Carnegie Mus. 1695—now at the Chicago Nat. Hist. Mus.

PIMELODELLA MEGALOPS Eigenmann 1912, Mem. Carnegie Mus., vol. 5, p. 169, pl. 15, fig. 2.

Paratypes (2): SU 21899; Tumatumari, Lower Potaro River, British Guiana. Collector: Carl H. Eigenmann; 1908.
Holotype: Carnegie Mus. 1692—now at the Chicago Nat. Hist. Mus.

PLATYPOGON CAERULOROSTRIS Starks 191[illegible], [illegible] of the Stanford Expedition to Braz... Stanford Jr. Univ. Publ., Univ. Ser. pl. 5.

Holotype (1): SU 22228; Pará, Brazil. C Edwin C. Starks on the Stanford Expeditio zil; summer of 1911. *Paratype* (1): SU 22 as for the preceding. While no single was designated as holotype in the descrip tion of the paper, Prof. Starks refer figured specimen as "Type" on pl. 5. Thi considered type designation.

PSEUDOPIMELODUS ALBOMARGINATUS Eigenma Mem. Carnegie Mus., vol. 5, p. 153, fig. 1.

Paratype (1): SU 21931; Tukeit, Lowe River, British Guiana. Collector: Carl mann; 1908.
Holotype: Carnegie Mus. 1680; now at th Nat. Hist. Mus.

RHAMDIA GILLI Starks 1906, Proc. U.S. N vol. 30, no. 1468, p. 769, pl. 65, f

Paratype (1): SU 9592; Río Eten, Et Collector: P. O. Simons; winter of 1898
Holotype: U.S. Nat. Mus. 53472.

Family PYGIDIIDAE

ACANTHOPOMA BONDI Myers 1942, Stanford I ical Bull., vol. 2, no. 4, p. 97, f

Holotype: SU 36498; Río Apure at San de Apure, Venezuela. Collector: Frankly February 16, 1938. Collection No. 53. (1): SU 36499; Río Guarico at El Sombr zuela. Collector as above; February Collection No. 44.

HAEMOMASTER VENEZUELAE Myers 1927, Bull. Zool. Harvard, vol. 68, no. 3, p.

Paratype (1): SU 18078; Playa Tama Ta cation, Río Orinoco, Venezuela. Colle Ternetz; March 16, 1925,
Holotype: Indiana Univ. Mus. 17705— California Acad. Sci.

HOMODIAETUS HAEMOMYZON Myers 1942, Stanf ological Bull., vol. 2, no. 4, p.

Holotype: SU 36500; Río Guarico at Venezuela. Collector: Franklyn F. Bon 12, 1938. Collection No. 48. *Paratyp* 36501; data exactly as for holotype. *Pa* SU 36502; Río Guarico at El Sombrero, Collector as above; February 10, 1938. No. 44. *Paratypes* (5): SU 36503; lag meters south of San Fernando de Apure, Collector as above; February 17, 1938. No. 55.

...PS EIGENMANNI Myers 1944, Proc. California ... Sci., ser. 4, vol. 23, no. 40, p. 592, ... 52, fig. 1; pl. 53, figs. 3,4,5.

... es (3): SU 36557; rock pools below São ... Rapids, Rio Negro, Brazil. Collector: ...etz; February 1, 1925.
...e: California Acad. Sci. 11120.

...N GABRIELI Myers 1926, Copeia, no. 156, ... 51.

...e (1): SU 36556; rock pools below São ... Rapids, Rio Negro, Brazil. Collector: ...etz; February 1, 1925.

...TOTAE Miles 1942, Caldasia, no. 5, p. 55,

...es (2): SU 37074; Lago de Tota, Boyacá, ...ra Oriental, Colombia; elevation, 3060 ... Collectors: Cecil B. Miles and C. L. ...ruary 18, 1942.
...pe: I. C. N. 20.

...US TERNETZI Myers 1944, Proc. California ...d. Sci., ser. 4, vol. 23, no. 40, p. 593, ...p. 52, fig. 2; pl. 53, figs. 6,7,8.

...pe (1): SU 36558; rock pools below São ...e Rapids, Rio Negro, Brazil. Collector: ...netz; February 1, 1925.
...pe: California Acad. Sci. 11118.

...A HEMATOPHAGA Guimarães 1935, Revista de ...dustria Animal, vol. 2, no. 3, p. 300, ...gs. 1-4.

...holotype: SU 16766; Rio Tietê, Salto, São ... Brazil. No types were designated in the ... description and no indication was given ... the deposition of specimens. The above ...n which was obtained directly from the ...f the species is here designated lectotype ...pecies.

Family BUNOCEPHALIDAE

...ALUS CHAMAIZELUS Figenmann 1912, Mem. Car...ie Mus., vol. 5, p. 127, pl. 2, fig. 1.

...ype (1): SU 21778; Gluck Island, Essequibo ...British Guiana. Collector: Carl H. Eigen...308.
...ype: Carnegie Mus. 1556—now at the Chicago ...t. Mus.

...ALUS SALATHEI Myers 1927, Bull. Mus. Comp. ...ol. Harvard, vol. 68, no. 3, p. 125.

...ype (1): SU 24072; Morro Ajudo, about 100 ...ers from Rio de Janeiro, Brazil. Collec...rocca and Salathe.
...ype: Mus. Comp. Zool. 31583.

HOPLOMYZON ATRIZONA Myers 1942, Stanford Ichthyological Bull., vol. 2, no. 4, p. 95, fig. 3.

Holotype: SU 36494; from a small, swift brook, tributary of the Río Zulia, at Estación Táchira (Estado Táchira), 60 kilometers north of San Cristóbal, Venezuela; elevation, about 150 meters. Collector: Franklyn F. Bond; June 14, 1938. Collection No. 105. *Paratypes* (5): SU 36495; data exactly as for holotype.

Family CALLICHTHYIDAE

CORDYDORAS BONDI Gosline 1940, Stanford Ichthyological Bull., vol. 2, no. 1, p. 20.

Holotype: SU 35065; Río Yuruari, 3 kilometers east of El Callao, Venezuela. Collector: Franklyn F. Bond; March 13, 1939. *Paratypes* (18): SU 35066; data exactly as for holotype. *Paratypes* (10): SU 35067; Río Yuruari at El Callao, Venezuela. Collector and date as for holotype. *Paratypes* (6): SU 35068; Río Carichapo, a tributary to Río Yuruari, 30 kilometers east of Upata, Venezuela. Collector as above; March 12, 1939.

CORYDORAS FOWLERI Böhlke 1950, The Fish Culturist, Philadelphia, vol. 30, no. 4, December, p. 26.

Holotype: SU 16115; Chancho Caño, near Pebas, Peruvian Amazon, Perú. Collector: William G. Scherer; December 13, 1941.

CORYDORAS OSTEOCARUS Böhlke 1951, Ann. Mag. Nat. Hist., ser. 12, vol. 4, p. 824.

Holotype: SU 16333; San Fernando de Atabapo, where the Río Atabapo empties into the Orinoco, Venezuela (at approximately 4° 5' North Latitude, 67° 43' West Longitude). Collector: Carl Ternetz; April 8, 1925. *Paratypes* (3): SU 16334; data exactly as for holotype.

CORYDORAS SEPTENTRIONALIS Gosline 1940, Stanford Ichthyological Bull., vol. 2, no. 1, p. 16.

Holotype: SU 35055; Río Piña, 6 kilometers north of Maturín, Venezuela. Collector: Franklyn F. Bond; March 18, 1939. Collection No. 126. *Paratypes* (14): SU 35056; data exactly as for holotype. *Paratypes* (6): SU 35058; Río Guanipa, north of El Tigre, Venezuela. Collector as above; March 16, 1939. *Paratype* (1): SU 35057; Río Amana, east of Santa Bárbara, Venezuela. Collector as above; March 16, 1939. *Paratype* (1): SU 35059; Río Tinaquillo at Tinaquillo, Venezuela. Collector as above; March 9, 1939.

Family LORICARIIDAE

ANCISTRUS LITHURGICUS Eigenmann 1912, Mem. Carnegie Mus., vol. 5, p. 241, fig. 36 and pl. 25, fig. 3.

Paratype (1): SU 21904; Crab Falls, Essequibo River, British Guiana. Collector: Carl H. Eigenmann; 1908.
Holotype: Carnegie Mus. 1524—now at the Chicago Nat. Hist. Mus.

ASTROBLEPUS NICÉFORI Myers 1932, Copeia, no. 3, p. 157.

Holotype: SU 24796; Sonsón, Antioquia, Colombia. Collector: Brother Nicéforo María; 1930.

FARLOWELLA CURTIROSTRA Myers 1942, Stanford Ichthyological Bull., vol. 2, no. 4, p. 102, fig. 11.

Holotype: SU 36508; Quebrada Tabor, tributary of the Río Motatán System, 30 kilometers north of Trujillo, Maracaibo Basin, Venezuela. Collector: Franklyn F. Bond; March 14, 1938. Collection No. 74. *Paratypes* (2): SU 36509; data exactly as for holotype. *Paratypes* (12): SU 36510; Río Monay, 35 kilometers north of Trujillo, Venezuela. Collector and date as for holotype. Collection No. 73.

FARLOWELLA VITTATA Myers 1942, Stanford Ichthyological Bull., vol. 2, no. 4, p. 103, fig. 12.

Holotype: SU 36512; tributaries of the Río Uribanto, from San Cristóbal to the llanos, Venezuela. Collector: Franklyn F. Bond; June 15, 1938. Collection No. 106?. *Paratypes* (6): SU 36513; data exactly as for holotype.

LITHOXUS LITHOIDES Eigenmann 1912, Mem. Carnegie Mus., vol. 5, p. 242, pl. 24, figs. 1-4.

Paratypes (3): SU 21928; Amatuk, Lower Potaro River, British Guiana. Collector: Carl H. Eigenmann; 1908.
Holotype: Carnegie Mus. 1527—now at the Chicago Nat. Hist. Mus.

LORICARIA GRISEUS Eigenmann 1909, Ann. Carnegie Mus., vol. 6, no. 1, p. 8.

Paratype (1): SU 21776; Bartica, Essequibo River, British Guiana. Collector: S. E. Shideler; 1908.
Holotype: Carnegie Mus. 1504—now at the Chicago Nat. Hist. Mus.

OTOTHYRIS CANALIFERUS Myers 1927, Bull. Mus. Comp. Zool. Harvard, vol. 68, no. 3, p. 128.

Syntype (1): SU 24071; hills in the vicinity of Rio de Janeiro, Brazil. Collector: R. Brocca; 1924 or 1925 (description gives 1924, label in bottle gives 1925).

PLECOSTOMUS PUSARUM Starks 1913, The Fishes of the Stanford Expedition to Brazil, Leland Stanford Jr. Univ. Publ., Univ. Ser., p. 36, pl. 6.

Holotype: SU 22225; Ceará, Mirim, Brazil. Collector: Edwin C. Starks on the Stanford Expedition to Brazil, summer of 1911. *Paratypes* (2): SU 22221; disconnected pools and muddy streams, Ceará. Data as for holotype.

STURISOMA FESTIVUM Myers 1942, Stanford Ichthyological Bull., vol. 2, no. 4, p. 100, fig. 8-10.

Holotype: SU 36505; Río Monay, 35 kilometers north of Trujillo, Motatán System, Maracaibo Basin, Venezuela. Collector: Franklyn F. Bond; March 1938. Collection No. 73. *Paratypes* (9): SU [illegible] data exactly as for holotype.

Order APODES

Family MURAENIDAE

AEMASIA LICHENOSA Jordan and Snyder 1901, U.S. Nat. Mus., vol. 23, no. 1239, fig. 20.

Holotype: SU 6480; Wakanoura, Japan. Collectors: David Starr Jordan and John O. Snyder of 1900.

ANARCHIAS ALLARDICEI Jordan and Starks, in and Seale 1906, Bull. U.S. Bureau vol. 25 for 1905, p. 204, fig. 9.

Paratypes (2): SU 8726; Apia, Samoa. Col David Starr Jordan and party; summer of 19
Holotype: U.S. Nat. Mus. 51715.

ANARCHIAS KNIGHTI Jordan and Starks, in and Seale 1906, Bull. U.S. Bureau vol. 25 for 1905, p. 205, fig. 1

Paratype (1): SU 8729; Apia, Samoa. Co Robert E. Allardice and Knight S. Jordan of 1902. This specimen bears a "drawn" t
Holotype: U.S. Nat. Mus. 51716.

ECHIDNA KISHINOUYEI Jordan and Snyder 19 U.S. Nat. Mus., vol. 23, no. 1239, fig. 21.

Holotype: SU 6481; northern end of Riu ipelago, Japan. Collector Yonekichi Kome

ECHIDNA LEIHALA Jenkins 1903, Bull. U Comm., vol. 22 for 1902, p. 428, fi

Paratypes (2): SU 23316; Honolulu, Ha lands. Collector: Oliver P. Jenkins; 18
Holotype: U.S. Nat. Mus. 50844.

ECHIDNA TROSSULA Jordan and Starks, in: Seale 1906, Bull. U.S. Bureau Fish for 1905, p. 203, fig. 8.

**Paratypes* (11): SU 8728; Apia, Samoa

...Starr Jordan and party (the Stanford ...ves Jordan and Kellogg); summer of 1902. ... U.S. Nat. Mus. 51714.

...*TA* Jenkins 1903, Bull. U.S. Fish Comm., ... 2 for 1902, p. 429, fig. 10.

... (15): SU 7492; Honolulu, Hawaiian Is- ...llector: Oliver P. Jenkins; 1889. ... U S. Nat. Mus. 50687.

...*OPHAEA* Jordan and Evermann 1903, Bull. ...ish Comm., vol. 22 for 1902, p. 167.

... (1): SU 7448; Honolulu, Hawaiian Is- ...llectors: David Starr Jordan and Barton ...; 1901. ... U.S. Nat. Mus. 50621.

...*BERNDTI* Snyder 1904, Bull. U.S. Fish ..., vol. 22 for 1902, p. 518, pl. 4, ... 8.

... (1): SU 12791; Honolulu market, Hawaiian ...btained through E. Louis Berndt; spring ...of 1902. ... U.S. Nat. Mus. 50867.

...*X CHLAMYDATUS* Snyder 1908, Proc. U.S. ...Mus., vol. 35, no. 1635, p. 94.

... (1): SU 21101; market at Naha, Okinawa, ...llectors: John O. Snyder and Michitaro ... ... U.S. Nat. Mus. 62232.

...*V LEUCACME* Jenkins 1903, Bull. U.S. Fish ..., vol. 22 for 1902, p. 427, fig. 7.

... (1): SU 23325; Honolulu, Hawaiian Is- ...llector: Thomas D. Wood; 1898. ... U.S. Nat. Mus. 50682.

...*X LEUCOSTICTUS* Jenkins 1903, Bull. U.S. ...Comm., vol. 22 for 1902, p. 425, fig. 5.

... (1): SU 23289; coral reef at Honolulu, ...slands. Collector: Oliver P. Jenkins; ... ... U.S. Nat. Mus. 50681.

...*AX OCELLATUS SAXICOLA* Jordan and Davis ...S. Rept. Comm. Fish and Fish. for 1888, ... 16, p. 597 (in the key).

... SU 1658; Snapper Banks at Pensacola, ... Collector: David Starr Jordan. If more ... specimen was used in the original de- ...—and there is no way of knowing at pres- ...this specimen must become a syntype.

...*AX PESCADORIS* Jordan and Evermann 1902, ... U.S. Nat. Mus., vol. 25, no. 1289, p. ... fig. 8.

Holotype: SU 12686 (previously 7131): Kotosho, Hokoto or Pescadores Islands, Formosa. Collector: Tsunasuke Tada.

GYMNOTHORAX PHILIPPINUS Jordan and Seale 1907, Bull. U.S. Bureau Fish., vol. 26 for 1906, p. 7, fig. 2.

Holotype: SU 9215; Cavite, Philippine Islands. Collector: George A. Lung; summer of 1900.

GYMNOTHORAX STEINDACHNERI Jordan and Evermann 1903, Bull. U.S. Fish Comm., vol. 22, for 1902, p. 166.

Paratype (1): SU 7447; Honolulu, Hawaiian Islands. Collectors: David Starr Jordan and Barton W. Evermann; 1901.
Holotype: U.S. Nat. Mus. 50616.

GYMNOTHORAX TALOFA Jordan and Starks, in: Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 201, fig. 7.

Paratype (1): SU 8727; Apia, Samoa. Collectors: David Starr Jordan and party; summer of 1902.
Holotype: U.S. Nat. Mus. 51713.

GYMNOTHORAX THALASSOPTERUS Jenkins 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 427, pl. 2.

Paratype (1): SU 7449; Honolulu, Hawaiian Islands. Collectors: David Starr Jordan and Barton W. Evermann; 1901. *Paratype* (1): SU 12770; data as for the preceding. *Paratype* (1): SU 12771; data as for the preceding. *Paratype* (1): SU 12773; data as for the preceding.
Holotype: U.S. Nat. Mus. 50619.

GYMNOTHORAX XANTHOSTOMUS Snyder 1904, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 519, pl. 5, fig. 10.

Paratype (1): SU 12792; Honolulu market, Hawaiian Islands. Collector: "Albatross"; spring or summer of 1902.
Holotype: U.S. Nat. Mus. 50869.

MURAENA CLEPSYDRA Gilbert, in: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 3, p. 2805.

Lecto-holotype: SU 6807; Panamá. Collectors: Charles H. Gilbert et al; January 10-February 24, 1896. *Lecto-paratype* (1): SU 12899; data as for the preceding. *Lecto-paratype* (1): SU 12900; data as for the preceding. While no type was selected in the original description, Gilbert and Starks 1904, Mem. California Acad. Sci., vol. 4, p. 5, give SU 6807 for the type—this amounting to a lectotype designation.

RABULA MEGALOPS Starks 1913, The Fishes of the Stanford Expedition to Brazil, Leland Stanford Jr. Univ. Publ., Univ. Ser., p. 12, pl. 2.

Holotype: SU 22217; rock pools at Natal, Brazil. Collector: Edwin C. Starks on the Stanford Expedition to Brazil; summer of 1911.

UROPTERYGIUS OKINAWAE Jordan and Snyder 1901, Proc. U.S. Nat. Mus., vol. 23, no. 1239, p. 886, fig. 22.

Holotype: SU 6482; Okinawa, northern Riukiu, Japan. Collector: Yonekichi Komeyama.

UROPTERYGIUS POLYSTICTUS Myers and Wade 1941, Allan Hancock Pacific Expeditions, vol. 9, no. 4, p. 85, pl. 15.

Paratype (1): SU 36552; Station 811-38, Barrington Island, Galápagos, taken from a coral head. Collector: George S. Myers on the "Velero III"; January 26, 1938.
Holotype: Allan Hancock Foundation 16.

Family NETTASTOMATIDAE

CHLOPSIS FIERASFER Jordan and Snyder 1901, Proc. U.S. Nat. Mus., vol. 23, no. 1239, p. 860, fig. 10.

Holotype: SU 6471; Wakanoura, in Kii, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900.

Family CONGRIDAE

CONGERMURAENA AEQUOREA Gilbert and Cramer 1897, Proc. U.S. Nat. Mus., vol. 19, no. 1114, p. 405, pl. 37.

Paratype (1): SU 4918; Station 3474, Hawaiian Islands (21° 12' North Latitude, 157° 38' 30" West Longitude); 375 fathoms. Collector: "Albatross"; December 6, 1891.
Holotype: U.S. Nat. Mus. 47696.

CONGRELLUS BOWERSI Jenkins 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 422, fig. 1.

Paratypes (5): SU 23314; Honolulu, Hawaiian Islands. Collector: Oliver P. Jenkins; 1889.
Holotype: U.S. Nat. Mus. 50689.

HOPLUNNIS DIOMEDIANUS Goode and Bean 1895, Oceanic Ichthyology..., p. 146, fig. 163.

Lecto-paratype (1): SU 9570; Station 2402, off Cape San Blas, Florida (28° 36' North Latitude, 85° 33' 30" West Longitude); 111 fathoms. Collector: "Albatross"; March 14, 1885.
Lecto-holotype: U.S. Nat. Mus. 44240; designated by Ginsburg 1951, Texas Journ. Sci., no. 3, p. 449.

LEPTOCEPHALUS ECTENURUS Jordan and R. 1909, Mem. Carnegie Mus., vol. 4, 171, pl. 66, lower fig.

Syntype (1): SU 21259; port of Taka southwestern coast of the island of Form lector: Hans Sauter; 1906.

LEPTOCEPHALUS EREBENNUS Jordan and Sny Proc. U.S. Nat. Mus., vol. 23, n p. 849, fig. 3.

Holotype: SU 6466; Misaki, Japan. Co David Starr Jordan and John O. Snyder; 1900. *Paratype* (1): SU 6968; Wakano Japan. Collectors and date as for holotyp *type* (1): SU 12924; Misaki, Sagami, Japan ly collected by Jordan and Snyder; summer *Paratype* (1): SU 12925; data as for the just preceding.

LEPTOCEPHALUS FLAVIROSTRIS Snyder 1908, Nat. Mus., vol. 35, no. 1635, p. 93.

Paratype (1): SU 21100; near shore a Sagami, Japan. Collectors: John O. S Michitaro Sindo; 1906.
Holotype: U.S. Nat. Mus. 62230.

LEPTOCEPHALUS KIUSIUANUS Jordan and Sny Proc. U.S. Nat. Mus., vol. 23, no. 851.

Holotype: SU 6467; Hakata, province of in Kiusiu, Japan. Collectors: David St and John O. Snyder; summer of 1900.

LEPTOCEPHALUS NYSTROMI Jordan and Sny Proc. U.S. Nat. Mus., vol. 23, no. 853, fig. 5.

Holotype: SU 6469; Nagasaki, Hizen, Ja lectors: David Starr Jordan and John O summer of 1900. *Paratypes* (4): SU 6969; ly as for holotype.

LEPTOCEPHALUS RETROTINCTUS Jordan and Sn Proc. U.S. Nat. Mus., vol. 23, no. 853, fig. 6.

Holotype: SU 6470; market at Tokyo, Ja lectors: David Starr Jordan and John O summer of 1900.

LEPTOCEPHALUS RIUKIUANUS Jordan and Sn Proc. U.S. Nat. Mus., vol. 23, no 852, fig. 4.

Holotype: SU 6468; Yaeyama, Ishigak southern Riukiu group. Collector: Alan

NEOCONGER VERMIFORNIS Gilbert 1890, Proc Mus., vol. 13, no. 797, p. 57.

Syntypes (3): SU 22; Station 3035, Gu ifornia (30° 21' North Latitude, 114° 2

50 fathoms. Collector: "Albatross"; 39.

ALCOCKI Gilbert and Cramer 1897, Proc. t. Mus., vol. 19, no. 1114, p. 405, fig. 1.

(3): SU 5009; Station 3472, Hawaiian 12' North Latitude, 157° 49' West 295 fathoms. Collector: "Albatross"; 891.
U.S. Nat. Mus. 47724.

NAEOCEPAEUS Böhlke 1951, Copeia, no. .

SU 16052; Patalon, Zamboanga Province, ilippine Islands. Collector: Albert re; August, 1940. *Paratype* (1): SU exactly as for holotype.

Family OPHICHTHIDAE

ORA Jordan and Richardson 1908, Bull. reau Fish., vol. 27 for 1907, p. 239,

SU 20209; Mindoro Island, Philippine llector: Richard C. McGregor.

LIPPINENSIS Herre 1936, Philippine Sci., vol. 59, no. 3, p. 358, pl. 1,

SU 30977; Dumaguete, Oriental Negros, Islands. Collector: Albert W. C. T. bly November-December, 1933.

MYERSI Herre 1932, Copeia, no. 3, p.

SU 26828; Dumaguete, Oriental Negros, Islands. Collector: Albert W. C. T. 15, 1931.

PERRYAE Storey 1939, Stanford Ichthyal Bull., vol. 1, no. 3, p. 71, figs. 4.

SU 33027; Gulf of Mexico, a mile off n shore of Sanibel Island, Florida; 2-3 Collector: Margaret H. Storey; June,

LENA PAUCIDENS Herre and Myers 1931, an Sci. Journ., vol. 10, nos. 2 and 3, 3.

: SU 24326; purchased on the street at inan, China. Collector: W. E. Hoffman; 929.

HESPEROMYRUS FRYI Myers and Storey 1939, Stanford Ichthyological Bull., vol. 1, no. 4, p. 157, fig. 1.

Holotype: SU 25251; near the breakwater, San Pedro, California, with a dip-net at night under a spot-light. Collectors: Donald L. Fry and Lionel A. Walford; August 27, 1930.

JENKINSIELLA NECTURA Jordan, in: Jordan and Seale 1907, Bull. U.S. Bureau Fish., vol. 26 for 1906, p. 6, fig. 1.

Holotype: SU 9984; Cavite, Philippine Islands. Collector: George A. Lung; summer of 1900.

LEIURANUS LITHINUS Jordan and Richardson 1908, Bull. U.S. Bureau Fish., vol. 27 for 1907, p. 238, fig. 3.

Holotype: SU 20211; Cuyo, Philippine Islands. Collector: Richard C. McGregor.

LETHARCHUS OPERCULARIS Myers and Wade 1941, Allan Hancock Pacific Expeditions, vol. 9, no. 4, p. 82, pl. 14.

Paratypes (3): SU 36551; Station 813-38 (the Stanford register gives 813-35), Gardner Bay, Hood Island, Galápagos. Collector: George S. Myers on the "Velero III"; January 27, 1938.
Holotype: Allan Hancock Foundation 15.

MICRODONOPHIS ERABO Jordan and Snyder 1901, Proc. U.S. Nat. Mus., vol. 23, no. 1239, p. 870, fig. 17.

Holotype: SU 6477; from Misaki, Japan. Received by Jordan and Snyder from the Asakusa Aquarium in Tokyo, through the courtesy of Professor Kamakichi Kishinouye of the Imperial Fisheries Bureau. *Paratype* (1): SU 6667; data exactly as for holotype. *Paratype* (1): SU 6744; data states: said to be from Okinawa, Japan. Received by Stanford from Yonekichi Komeyama, a natural history dealer.

MURAENICHTHYS AOKI Jordan and Snyder 1901, Proc. U.S. Nat. Mus., vol. 23, no. 1239, p. 863, fig. 13.

Holotype: SU 6474; rock pool at Misaki, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900.

MURAENICHTHYS HATTAE Jordan and Snyder 1901, Proc. U.S. Nat. Mus., vol. 23, no. 1239, p. 862, fig. 12.

Holotype: SU 6473; rock pool at Wakanoura, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900.

MURAENICHTHYS OWSTONI Jordan and Snyder 1901, Proc. U.S. Nat. Mus., vol. 23, no. 1239, p. 862, fig. 11.

Holotype: SU 6472; Yaeyama Island, one of the Ishigaki group in the southern part of the Riukiu Archipelago, Japan. Collector: Alan Owston.

MURAENICHTHYS THOMPSONI Jordan and Richardson 1908, Bull. U.S. Bureau Fish., vol. 27 for 1907, p. 237, fig. 1.

Holotype: SU 20201, Manila Bay, Philippine Islands. Collector: Joseph C. Thompson.

MYRICHTHYS PANTOSTIGMIUS Jordan and McGregor, in: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 3, p. 2802.

Holotype: SU 5710; Clarion Island, México. Collector: Richard C. McGregor on the schooner "H. C. Wahlberg"; May, 1897.

OPHICHTHUS ASAKUSAE Jordan and Snyder 1901, Proc. U.S. Nat. Mus., vol. 23, no. 1239, p. 872, fig. 18.

Holotype: SU 6478; received by David Starr Jordan and John O. Snyder from the Asakusa Aquarium in Tokyo, taken outside the Bay of Tokyo, near Misaki, Japan.

OPHICHTHUS EVERMANNI Jordan and Richardson 1909, Mem. Carnegie Mus., vol. 4, no. 4, p. 172, pl. 67, upper fig.

Syntype (1): SU 21260; Takao, Formosa. Collector: Hans Sauter; 1906.

OPHICHTHUS TSUCHIDAE Jordan and Snyder 1901, Proc. U.S. Nat. Mus., vol. 23, no. 1239, p. 873, fig. 19.

Holotype: SU 6479; Misaki, Sagami, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900.

OPHICHTHYS NOTHOCHIR Gilbert 1890, Proc. U.S. Nat. Mus., vol. 13, no. 797, p. 58.

Syntype (1): SU 122; San Josef Island, Gulf of California. Collector: "Albatross"; 1889.

PISOODONOPHIS DASPILOTUS Gilbert, in: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 3, p. 2803.

Holotype: SU 5820; fresh-water pond at Miraflores, Panamá. Collectors: Charles H. Gilbert et al; January 10-February 24, 1896. *Paratypes* (3): SU 6948; brackish water at the mouth of a small stream which empties into Panamá Bay, Panamá. Collectors and date as for holotype.

PISOODONOPHIS MACGREGORI Jordan and Richardson 1908, Bull. U.S. Bureau Fish., vol. 27 for 1907, p. 238, fig. 2.

Holotype: SU 20210; Manila, Philippine [illegible]. Collector: Richard C. McGregor.

PISOODONOPHIS ZOPHISTIUS Jordan and Snyder Proc. U.S. Nat. Mus., vol. 23, no. 868, fig. 15.

Holotype: SU 6475; outside the Bay near Misaki, Japan. Received by David Starr Jordan and John O. Snyder from the Asakusa [illegible] in Tokyo.

POGONOPHIS FOSSATUS Myers and Wade 19[illegible] Hancock Pacific Expeditions, vol. [illegible] p. 79, pl. 13.

Paratype (1): SU 36548; Station 780-3 [illegible] 50" North Latitude, 86° 58' 46" West L[illegible] 40-47 fathoms. Collector: George S. Mye[illegible] "Velero III"; January 14, 1938.
Holotype: Allan Hancock Foundation 14.

SPHAGEBRANCHUS FLAVICAUDUS Snyder 1904, Fish Comm., vol. 22 for 1902, p. 5[illegible] fig. 4.

Paratype (1): SU 7509; Station 4055 [illegible] north coast of Hawaii (Alia Point Light, N. 20°, W. 3.5'); 50-62 fathoms. Collec[illegible] batross"; July 16, 1902.
Holotype: U.S. Nat. Mus. 50863.

XYRIAS REVULSUS Jordan and Snyder 1901, Nat. Mus., vol. 23, no. 1239, p. 16.

Holotype: SU 6476; near Misaki, Japan. by David Starr Jordan and John O. Snyde[illegible] Asakusa Aquarium in Tokyo.

Family CHILORHINIDAE

CHILORHINUS BROCKI Gosline 1951, Copeia, 195, fig. 1.

Paratypes (2): SU 16113; shallow-wa[illegible] station in Kewalo Basin, Honolulu, Oahu of Hawaii. Collectors: Vernon E. Brock Welsh; October 29, 1948.
Holotype: U.S. Nat. Mus. 112312.

GARMANICHTHYS BICOLLARIS Myers and Wade Hancock Pacific Expeditions, vol. p. 71, pl. 9.

Paratype (1): SU 36549; Station 73[illegible] shore, Cartago Bay, Albemarle Island, Collector: Second "Velero III" Expeditio 13, 1933. *Puratype* (1): SU 36550; data preceding.
Holotype: Allan Hancock Foundation 11

Family SYNAPHOBRANCHIDAE

...US BRACHYSOMUS Gilbert 1905, Bull. ...sh Comm., vol. 23 for 1903, part 2, ... p. 583, fig. 232.

... 2): SU 8640; Hawaiian Islands. Col... tross"; March-August, 1902. *Paratype* ... Station 4019, vicinity of Kauai Is... an Islands (Hanamaulu warehouse, S. ...; 409-724 fathoms. Collector: "Alba... 21, 1902. ...U.S. Nat. Mus. 51591.

...HUS IRACONIS Jordan and Snyder 1901, ...S. Nat. Mus., vol. 23, no. 1239, p. ...g. 1.

...SU 6465; off Myiako, in Rikuchu, north ...apan; 200 fathoms. Collector: Mito-

Order HETEROMI

Family HALOSAURIDAE

...S KAUAIENSIS Gilbert 1905, Bull. U.S. ...omm., vol. 23 for 1903, part 2, sect. ...511, pl. 74.

... (2): SU 8554; Station 3989, vicinity ...and, Hawaiian Islands (Hanamaulu ware... ...°, W. 9.5'); 385-733 fathoms. Collec... ...ross"; June 11, 1902. ... U.S. Nat. Mus. 51612.

...IS PROBOSCIDEA Gilbert 1905, Bull. U.S. ...omm., vol. 23 for 1903, part 2, sect. ... 612, pl. 76.

...(1): SU 8565; Station 4138, vicinity of ...d, Hawaiian Islands (Hanamaulu ware... 8°, W. 2.7'); 438-476 fathoms. Collec... ...ross"; August 1, 1902. ... U.S. Nat. Mus. 51614.

...IS VERTICALIS Gilbert 1905, Bull. U.S. ...omm., vol. 23 for 1903, part 2, sect. ... 611, pl. 75.

... (1): SU 8628; Station 3985, vicinity of ...nd, Hawaiian Islands (Hanamaulu ware... ...° 30', W. 6.0'); 430-477 fathoms. Col... ...batross"; June 10, 1902. ...: U.S. Nat. Mus. 51645.

... *GOODEI* Gill 1883, Proc. U.S. Nat. Mus., ...6, no. 380, p. 257.

...*ratype* (1): SU 9466; Station 2052, off ...y 39° 40' 05" North Latitude, 69° 21' 25" ...itude. Collector: "Albatross"; August 1,

Lecto-holotype: U.S. Nat. Mus. 33281. While no type was selected in the original description, Jordan and Evermann 1896, Bull. U.S. Nat. Mus. No. 47, part 1, p. 610, give the above U.S. Nat. Mus. number for the "type"—this amounting to a lecto-type designation.

Order SCOMBERESOCES

Family BELONIDAE

TYLOSURUS SAGITTA Jordan and Gilbert 1884, Proc. U.S. Nat. Mus., vol. 7, no. 402, p. 25.

Paratypes (2): SU 1891; seined at Key West, Florida. Collector: David Starr Jordan; December, 1883.
Holotype: U.S. Nat. Mus. 34965.

Family SCOMBERESOCIDAE

COLOLABIS ADOCETUS Böhlke 1951, Trans. Kansas Acad. Sci., vol. 54, no. 1, p. 83.

Paratype (1): SU 16335; 160 miles southwest of San Juan, Perú (17° South Latitude, 76° 50' West Longitude). Collector: Templeton Crocker Expedition of the California Academy of Sciences; February 21, 1935. *Paratype* (1): SU 37426; "Velero" Station 840-38, west of the Chincha Islands, Perú (13° 35' South Latitude, 76° 50' West Longitude). Collector: George S. Myers on the 1938 Allan Hancock Expedition; February 11, 1938.
Holotype: California Acad. Sci. 20432.

Family HEMIRHAMPHIDAE

HEMIRHAMPHUS SALTATOR Gilbert and Starks 1904, Mem. California Acad. Sci., vol. 4, p. 53, pl. 9, fig. 16.

Holotype: SU 6806; Panamá. Collectors: Charles H. Gilbert et al; January 10-February 24, 1896. *Paratype* (1): SU 12807; data exactly as for holotype.

HEMIRHAMPHUS TWEEDIEI Herre 1936, Bull. Raffles Mus., no. 12, p. 6, pl. 2.

Holotype: SU 30979; near Singapore (the Stanford register gives Selat Paoe, Malaya). Collector: Albert W. C. T. Herre; April, 1923.

HEMIRHAMPHUS WELSBYI Ogilby 1908, Proc. Royal Soc. Queensland, vol. 21, p. 5.

Paratypes (2): SU 20191; Moreton Bay, Queensland. Collectors: Thomas Welsby and Joseph Basile; June, 1907.
Holotype: Amateur Fishermen's Association of Queensland 648.

HYPORHAMPHUS KURUMEUS Jordan and Starks 1903, Proc. U.S. Nat. Mus., vol. 26, no. 1319, p. 534, fig. 1.

Holotype: SU 7126; Chikugo River at Kurume, province of Chikugo, Kiusiu, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (28): SU 7155; data exactly as for holotype.

ZENARCHOPTERUS MAGATENSIS Herre 1934, The Fishes of the Herre Philippine Expedition of 1931, Newspaper Enterprise Ltd., Hong Kong, p. 26.

Holotype and 70 *paratypes*: SU 25509; branches of the Magat River and its tributary creeks at Bagábag, Nueva Vizcaya Province, Luzón, Philippine Islands. Collector: Albert W. C. T. Herre; May 26, 1931. These specimens have been mixed and the holotype cannot immediately be separated from the others.

ZENARCHOPTERUS SEPIKENSIS Herre 1935, Field Mus. Nat. Hist., zool. ser., vol. 18, no. 12, p. 391.

Paratypes (6): SU 24443; Koragu on the Sepik River (about 215 miles from the sea), New Guinea. Collector: Albert W. C. T. Herre on the Crane Pacific Expedition; May 23, 1929. *Paratypes* (6): SU 24461; Marienberg, on the Sepik River, New Guinea. Collector as above; May 24, 1929. *Paratypes* (2): SU 24462; Ambot, on the Kerame River, about 30 miles from the Sepik River, New Guinea. Collector as above: May 25, 1929.
Holotype: Chicago Nat. Hist. Mus. 17213.

ZENARCHOPTERUS VAISIGANIS Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 208, fig. 11.

Paratypes (4): SU 8716; Vaisigano River at Apia, Samoa. Collectors: David Starr Jordan and party; summer of 1902.
Holotype: U.S. Nat. Mus. 51718.

Family EXOCOETIDAE

CYPSELURUS ALIENUS Herre 1935, Field Mus. Nat. Hist., zool. ser., vol. 18, no. 12, p. 392.

Paratype (1): SU 24419; Caicos Passage, Atlantic Ocean. Collector: Albert W. C. T. Herre on the Crane Pacific Expedition; November 27, 1928.
Holotype: Chicago Nat. Hist. Mus. 17224.

CYPSILURUS OGILBYI Jordan and Snyder, in: Jordan and Dickerson 1908, Proc. U.S. Nat. Mus., vol. 34, no. 1625, p. 604, fig. 1.

Holotype: SU 20451; "some miles to the westward of Walpole Island, the nearest land otherwise being the New Hebrides." Collector: David Starr Jordan; 1907. This specimen was mistakenly assigned U.S. Nat. Mus. number 62229 in the original description.

Order MICROCYPRINI (CYPRINODONTS

Family AMBLYOPSIDAE

CHOLOGASTER AVITUS Jordan and Jenkins, in 1889, Proc. U.S. Nat. Mus., vol. 11, p. 356.

Paratypes (4): SU 623; outlet of Lake in the Dismal Swamp, near Suffolk, Virgin lectors: David Starr Jordan and party u auspices of the U.S. Fish Commission; s 1888.
Holotype: U.S. Nat. Mus. 39864.

CHOLOGASTER PAPILLIFERUS Forbes 1882, Naturalist, vol. 16, no. 1, p. 2.

Syntype (1): SU 626; Spring Pine Hill County, Illinois. Collector: F. S. Earle

Family CYPRINODONTIDAE

APHYOSEMION (FUNDULOPANCHAX) LABARREI P Rev. Zool. Bot. Africaines, vol. 1-2, p. 169.

Paratypes (2): SU 17482; "riv. Mausso, N'Gufu, village Kigemba à quelques km. de Belgian Congo. Collector: A. Dubois; 19
Holotype: place of deposition unknown.

APLOCHEILUS LUZONENSIS Herre and Ablan 1 ippine Journ. Sci., vol. 54, no. 2 pl. 1.

Paratypes (111): SU 29079; from a cree rice fields at Solsona, Ilocos Norte Luzón, Philippine Islands. Collector: L. Ablan; November 4, 1933.
Holotype: Philippines Fish and Game A tion Coll. 41062.

CYNOLEBIAS CONSTANCIAE Myers 1942, Sta thylogical Bull., vol. 2, no. 4, p.

Holotype: SU 36514; water hole for ca 20 feet in diameter, 10 miles north of State of Rio de Janeiro, Brazil. Colle Col. and Mrs. Thomas D. White; May 12, 1 *types* (3): SU 36515; data exactly as type.

CYNOLEBIAS MINIMUS Myers 1942, Stanford ical Bull., vol. 2, no. 4, p. 109.

Holotype: SU 36525; standing water brake along the road to Rio, one mi Itaquahy (apparently a little west of t of the Districto Federal), State of R eiro, Brazil. Collectors: Lt. Col. and D. White; summer (June, July, or Augus *Paratypes* (4): SU 36526; data exactly a type.

ALESCENS Myers 1942, Stanford Ichthy- Bull., vol. 2, no. 4, p. 107.

SU 36521; water holes or ponds along the Serra do Petrópolis, State of Rio Brazil. Collectors: Lt. Col. and Mrs. nite; June 1, 1941. *Paratypes* (9): ta exactly as for holotype.

PLENDENS Myers 1942, Stanford Ichthyo- Bull., vol. 2, no. 4, p. 110.

SU 36527; water holes or ponds along a do Petrópolis, State of Rio de Jan-. Collectors: Lt. Col. and Mrs. Thomas ummer (June, July, or August) of 1941.): SU 36528; data exactly as for holo-

WHITEI Myers 1942, Stanford Ichthyo- Bull., vol. 2, no. 4, p. 106.

SU 36516; drying swamp, 10 or 12 miles Cabo Frio, State of Rio de Janeiro, Bra- ectors: Lt. Col. and Mrs. Thomas D. ust 2, 1941. *Paratypes* (9): SU 36517; ly as for holotype. *Paratypes* (4): SU ality and collectors as above; May 12,

ZINGIBERINUS Myers 1942, Stanford Ich- gical Bull., vol. 2, no. 4, p. 108.

SU 36523; an isolated depression filled only during the rainy season, along the Serra do Petrópolis, State of Rio de azil. Collectors: Lt. Col. and Mrs. White; 1941. *Paratypes* (10): SU 36524; ly as for holotype.

DIABOLIS Wales 1930, Copeia, no. 3,

SU 23928; Devil's Hole, Ash Meadows, esert, Nevada. Collectors: George S. Joseph H. Wales; March 26, 1930. *Para-* SU 23929; data exactly as for holotype.

MACULARIUS BAILEYI Gilbert 1893, North an Fauna, no. 7, p. 233.

(3): SU 709; Pahranagat Valley, Nevada. : C. Hart Merriam and Vernon Bailey; 91.

: Jordan and Evermann 1896, Bull. U.S. No. 47, part 1, p. 675, give U.S. Nat. for the "type". While this appears to type designation, 5 specimens bear the

NEYS MERRIAMI Gilbert 1893, North Ameri- auna, no. 7, p. 234, pl. 5.

ratypes (2): SU 766; Ash Meadows, Nevada. Albert K. Fisher; 1891.

lotype: U.S. Nat. Mus. 46101. While no type was designated in the original description, Jordan and Evermann 1896, Bull. U.S. Nat. Mus. No. 47, part 1, p. 667, give the above U.S. Nat. Mus. number for the "type"—this amounting to a lectotype designation.

FUNDULUS ALBOLINEATUS Gilbert 1891, Bull. U.S. Fish Comm., vol. 9 for 1889, p. 149, pl. 43, fig. 1.

Syntypes (8): SU 1029; Spring Creek, Huntsville, Alabama. Collector: Philip H. Kirsch; May 28, 1889.

FUNDULUS OCELLARIS Jordan and Gilbert 1882, Proc. U.S. Nat. Mus., vol. 5, no. 282, p. 254.

Syntypes (2): SU 2177; Laguna Grande at Pensacola, Florida. Collectors: David Starr Jordan and Silas Stearns; March, 1882.

Syntypes: The original description lists U.S. Nat. Mus. Nos. "29667, 29667, 30853" as types, so all specimens must be considered syntypes.

FUNDULUS RATHBUNI Jordan and Meek, in: Jordan 1889, Proc. U.S. Nat. Mus., vol. 11, no. 723, p. p. 356.

Paratypes (5): SU 5876; Reedy Fork, a tributary of the Cape Fear River, about Greensborough, North Carolina. Collectors: David Starr Jordan and party under the auspices of the U.S. Fish Commission; summer of 1888.

Holotype: U.S. Nat. Mus. 39860.

FUNDULUS SCARTES Meek 1896, Bull. U.S. Fish Comm., vol. 15 for 1895, p. 347.

**Paratype* (1): SU 2277; St. Francis River, Big Bay, Arkansas. Collector: Seth E. Meek; August (last two weeks), 1894.

Holotype: U.S. Nat. Mus. 47301.

HAPLOCHILUS HARTII Boulenger 1890, Ann. Mag. Nat. Hist., ser. 6, vol. 6, p. 170.

Syntype (1): SU 1128; Trinidad. Presented to the British Museum by J. H. Hart.

LUCANIA BROWNI Jordan and Richardson 1907, Proc. U.S. Nat. Mus., vol. 33, no. 1572, p. 319, fig.

Paratypes (5): SU 20176 (mistakenly 20171 in the description); 20 feet below the outbreak of a hot spring on the eastern margin of the salt lake that lies between the Coast and Cocopah ranges in northeastern Baja California, about 40 miles south of the international line, undoubtedly below sea level. Collector: Herbert Brown.

Holotype: U.S. Nat. Mus. 57838.

NOTHOBRANCHIUS BRIENI Poll 1938, Rev. Zool. Bot. Africaines, vol. 30, fasc. 4, p. 409, fig. 11.

Syntypes (2): SU 17484; "Bukama, fl. Lualaba,

mares reliées au fleuve par des chenaux", Belgian Congo. Collector: Paul Brien; May, 1937.

RIVULUS DORNI Myers 1924, Ann. Mag. Nat. Hist., ser. 9, vol. 13, p. 588.

Paratype (1): SU 24076; Rio de Janeiro, Brazil. Received by Richard Dorn as an aquarium fish and presented to Dr. George S. Myers; December, 1923.
Holotype: in the British Museum of Nat. Hist.

RIVULUS HENDRICHSI Alvarez y Carranza 1951, Ciencia, p. 281, figs. 1 and 2.

Paratypes (2): SU 17487; Salto de Agua, Chiapas, México. Collectors: J. Alvarez and P. H. D. Hendrichs; December 12, 1950.
Holotype: place of deposition unknown.

RIVULUS HOLMIAE Eigenmann 1909, Ann. Carnegie Mus., vol. 6, no. 1, p. 50.

Paratype (1): SU 21777; Holmia, Upper Potaro River, British Guiana. Collector: Carl H. Eigenmann; 1908.
Holotype: Carnegie Mus. 1076—now at the Chicago Nat. Hist. Mus.

RIVULUS STAGNATUS Eigenmann 1909, Ann. Carnegie Mus., vol. 6, no. 1, p. 50.

Paratype (1): SU 21971; Christianburg, British Guiana. Collector: Carl H. Eigenmann; 1908.
Holotype: Carnegie Mus. 1082—now at the Chicago Nat. Hist. Mus.

ZYGONECTES JENKINSI Evermann 1892, Bull. U.S. Fish Comm., vol. 11 for 1891, p. 86, pl. 36.

**Syntypes* (4): SU 2140; Dickinson Bayou, near Dickinson, Texas. Collectors: Barton W. Evermann, Josiah T. Scovell, and Revere R. Gurley; November 10, 1891. *Syntypes* (3): SU 1122; bottle labelled co-types of *Zygonectes funduloides* Evermann 1892, Bull. U.S. Fish Comm., vol. 11 for 1891, p. 85, pl. 35, of which only two specimens were known at the time of the original description. There is a note in the bottle stating that Dr. Hubbs observes that "these seem to be *jenkinsi*, certainly not *funduloides*." And, since they are from Dickinson Bayou, near Dickinson, Texas and collected by Barton W. Evermann et al, they are provisionally being called syntypes of *Zygonectes jenkinsi*.
Syntypes: Jordan and Evermann 1896, Bull. U.S. Nat. Mus. No. 47, part 1, p. 652, list U.S. Nat. Mus. 45562 for the "type". While this appears to be a lectotype designation, 9 specimens bear the number.

ZYGONECTES MACDONALDI Meek 1891, Bull. U.S. Fish Comm., vol. 9 for 1889, p. 122, pl. 42, fig. 1.

Syntype (1): SU 951; the Osage Fork of the Gasconade River, about 6 miles southeast of Marshfield, Missouri. Collectors: Seth E. Meek, Louis Rettger, and Frank M. Drew; July 24-26, 1886.

Family HORAICHTHYIDAE

HORAICHTHYS SETNAI Kulkarni 1940, Recor Mus., vol. 42, part 2, p. 385, text-f

Syntypes (16): SU 35960; brackish w Bombay, India. Collector: C. V. Kulkar These specimens are called syntypes b Kulkarni's statement in the original des "*Type-specimens.*—No. F13203/1, Zoologic of India (Indian Museum), Calcutta."
Syntypes: see above.

Family ADRIANICHTHYIDAE

XENOPOECILUS POPTAE Weber and de Beauf The Fishes of the Indo-Australian ago, vol. 4, p. 379, fig. 100.

Syntypes (2): SU 33909; Lake Posso, Collector: A. C. Kruyt.

Family GOODEIDAE

CHARACODON EISENI Rutter 1896, Proc. C Acad. Sci., ser. 2, vol. 6, p. 266.

Syntypes (4): SU 5008 (mistakenly 49 original description); from a branch o Grande de Santiago at Tepic, México. C Gustav Eisen and F. Vaslit; 1894.

CHARACODON ENCAUSTUS Jordan and Snyder 1 U.S. Fish Comm., vol. 19 for 189 fig. 7.

Holotype: SU 6163; Laguna de Chapala, lán, Jalisco, México. Collector: John December 26, 1898.

CHARACODON FURCIDENS Jordan and Gilb Proc. U.S. Nat. Mus., vol. 5, no. 29

Syntypes (2): SU 3512; Cape San Lucas, ifornia, México. Collector: John Xantus
Syntypes: No specific type was mentio original description which states that specimens were taken and gave U.S. Nat. bers 9571 and 30971 for them.

XENENDUM CALIENTE Jordan and Snyder 1901, Fish Comm., vol. 19 for 1899, p. 12

Holotype: SU 6147; Río Verde near Agu tes, México. Collector: John O. Snyder; 1899. *Paratypes* (10): SU 6206; data for holotype.

XENENDUM XALISCONE Jordan and Snyder 1 U.S. Fish Comm., vol. 19 for 189 fig. 9.

:] 6148; Laguna de Chapala, near Ocot- . México. Collector: John O. Snyder; 1898. *Paratypes*: (4): SU 6207; data holotype.

Family POECILIIDAE

.US BIFURCUS Eigenmann 1909, Ann. Car- s., vol. 6, no. 1, p. 52.

2): SU 21930; small pond at Christian- a River, British Guiana. Collector: mann; 1908. Carnegie Mus. 1088—now in the Chicago s.

FANS Woolman 1894, Bull. U.S. Fish ol. 14 for 1894, p. 62.

ntypes (8): SU 859; Río de Lerma at bout .75 miles south of the Mexican lway and 150 miles northwest of the ico), State of Guanajuato, México. Albert J. Woolman; summer of 1891. type: U.S. Nat. Mus. 45570. Although selected in the original description, vermann 1896, Bull. U.S. Nat. Mus. No. p. 680, give the above U.S. Nat. Mus. he "type"—this amounting to a lecto- ation.

IHERINGII Boulenger 1889, Ann. Mag. st., ser. 6, vol. 4, p. 266.

1): SU 1132; Rio Grande do Sul, Brazil. Hermann von Ihering. In his descrip- enger states: "Male 25 millim. long, . Numerous specimens, from Rio Grande ince this does not amount to the desig- type specimen, the Stanford specimen ed a syntype.

UYS TORRALBASI Eigenmann 1903, Bull. U.S. omm., vol. 22 for 1902, p. 225, fig. 4.

s (3): SU 8500; San Cristóbal, Cuba. Carl H. Eigenmann; March, 1902. : Indiana Univ. Mus. 9662 now at the Acad. Sci.

CUS DOMINICENSIS Evermann and Clark 1906, U.S. Nat. Mus., vol. 30, no. 1478, p. fig. 2.

(1): SU 9350; small stream in the San Mountains in the interior of Santo Do- e 40 miles from Santo Domingo City. Col- gust Busck; September, 1905. : U.S. Nat. Mus. 53277.

RANNERI Eigenmann 1894, Ann. New York Sci., vol. 7, p. 629.

(2): SU 2158; undoubtedly from the low- er Amazon and probably from Pará, Brazil. Collector: C. F. Hartt.

POECILIA LIMANTOURI Jordan and Snyder 1901, Bull. U.S. Fish Comm., vol. 19 for 1899, p. 129, fig. 10.

Holotype: SU 6165; Rio Tamesoe, near Tampico, Tamaulipas, México. Collector: John O. Snyder; January 12, 1899. **Paratypes* (11): SU 6190; data exactly as for holotype.

POECILIA PRESIDIONIS Jordan and Culver, in: Jordan 1895, Proc. California Acad. Sci., ser. 2, vol. 5, p. 413, pl. 29.

Syntypes (68): SU 2687; clear waters of the Río Presidio, about Presidio, Sinaloa, México. Collectors: David Starr Jordan and party on the Hopkins Expedition; December 24, 1894-January 25, 1895.

PRIAPELLA INTERMEDIA Alvarez y Carranza 1951, Ciencia, p. 284.

Paratypes (3): SU 17486; Santa María Chimalapa, Arroyo el Zacatal, Oaxaca, México. Collector: J. Carranza; May 15, 1950.
Holotype: place of deposition unknown.

XIPHOPHORUS MONTEZUMAE Jordan and Snyder 1901, Bull. U.S. Fish Comm., vol. 19 for 1899, p. 131, fig. 11.

Holotype: SU 6145; Río Verde, near Rascón, San Luis Potosí, México. Collector: John O. Snyder; January 24, 1899. *Paratypes* (31): SU 6146; data exactly as for holotype. *Paratypes* (105): SU 6194; data exactly as for holotype.

Order ANACANTHINI

Family MORIDAE

PHYSICULUS JORDANI Böhlke and Mead 1951, Stanford Ichthyological Bull., vol. 4, no. 1, p. 27.

Holotype: SU 21759; Station 3695, off Tsurugi Saki Light (S. 80°, W. 4.3 m.), Honshu Island, Japan. Collector: "Albatross"; May 4, 1900; 110-259 fathoms.

PHYSICULUS NEMATOPUS Gilbert 1890, Proc. U.S. Nat. Mus., vol. 13, no. 797, p. 114.

Syntype (1): SU 141; Station 2997, Gulf of California (24° 39' 30" North Latitude, 110° 34' West Longitude); 221 fathoms. Collector: "Albatross"; March 16, 1889.

PHYSICULUS RASTRELLIGER Gilbert 1890, Proc. U.S. Nat. Mus., vol. 13, no. 797, p. 113.

Syntypes (13): SU 185; Station 2987, off Lower

California (28° 54' 15" North Latitude, 118° 18' West Longitude); 171 fathoms. Collector: "Albatross"; February 28, 1889.

Syntypes: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 3, p. 2550, give U.S. Nat. Mus. 48206 (mistake for 48266) for the "type". While this appears to be a lectotype designation, 7 specimens bear the number.

Family BREGMACEROTIDAE

BREGMACEROS BATHYMASTER Jordan and Bollman 1890, Proc. U.S. Nat. Mus., vol. 12, no. 770, p. 173.

Paratypes (3): SU 427; Station 2804, 8° 16' 30" North Latitude, 79° 37' 45" West Longitude, 47 fathoms. Collector: "Albatross"; March 30, 1888.
Holotype: U.S. Nat. Mus. 41137.

Family CORYPHAENOIDIDAE (MACRURIDAE)

BATHYGADUS LONGIFILIS Goode and Bean 1885, Proc. U.S. Nat. Mus., vol. 8, no. 543, p. 599.

Syntype (1): SU 9546; Station 2385, Gulf of Mexico (28° 51' North Latitude, 88° 18' West Longitude); 730 fathoms. Collector: "Albatross"; March 3, 1885.
Syntypes: While the original description and Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 3, p. 2567 both give U.S. Nat. Mus. 37338 for the type, the original description states that two specimens bear that number. Since the Stanford specimen is from another station, it is either also a syntype or not a type.

BOGOSLOVIUS CLARKI Jordan and Gilbert, in: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 3, p. 2575.

Syntypes (2): SU 5748; Station 3634, off Bogoslof Island, Bering Sea (54° 51' North Latitude, 167° 27' West Longitude); 664 fathoms. Collector: "Albatross"; July 7, 1896.

CETONURUS ROBUSTUS Gilbert and Hubbs 1916, Proc. U.S. Nat. Mus., vol. 51, no. 2149, p. 207, pl. 11, fig. 2.

Paratypes (2): SU 22923; Station 4971, off the east coast of central Hondo, Japan (9.6 miles off Shio Misaki Light, 33° 23' 30" North Latitude, 135° 34' East Longitude); 649 fathoms. Collector: "Albatross"; August 30, 1906.
Holotype: U.S. Nat. Mus. 76870.

CHALINURA CTENOMELAS Gilbert and Cramer 1897, Proc. U.S. Nat. Mus., vol. 19, no. 1114, p. 430, pl. 45, fig. 2.

Paratypes (3): SU 5043; Station 3472, Hawaiian Islands (21° 12' North Latitude, 157° 0 Longitude); 295 fathoms. Collector: "Alb December 4, 1891. There is a "drawn" labe bottle.
Holotype: U.S. Nat. Mus. 47704.

COELOCEPHALUS ACIPENSERINUS Gilbert and 1897, Proc. U.S. Nat. Mus., vol. 1114, p. 422, pl. 42, fig. 1.

Paratypes (7): SU 3142; Station 3470, Islands (21° 08' 30" North Latitude, 157° Longitude); 343 fathoms. Collector: "Alb December 4, 1891.
Holotype: U.S. Nat. Mus. 47721.

COELORHYNCHUS ANATIROSTRIS Jordan and Gilb Jordan and Starks 1904, Bull. U.S. Fis vol. 22 for 1902, p. 619, fig.

Holotype: SU 8550; Misaki, Japan—taken line. Collector Kuma Aoki and presented ford University by Prof. Kakichi Mitsukur

COELORHYNCHUS ARATRUM Gilbert 1905, Bu Fish Comm., vol. 23 for 1903, part 2, fig. 264.

Paratype (1): SU 8635; Station 3914, south coast of Oahu Island, Hawaiian Isla mond Head Light, N. 23° 10', E. 16.4'); fathoms. Collector: "Albatross"; May 6, 1
Holotype: U.S. Nat. Mus. 51656.

COELORHYNCHUS CHILENSIS Gilbert and Thomp Thompson 1916, Proc. U.S. Nat. Mus., no. 2133, p. 473, pl. 6, fig. 1.

Paratypes (7): SU 22726; Station 2791, Chile (38° 08' South Latitude, 75° 53' We tude); 677 fathoms. Collector: "Albatros ruary 14, 1888.
Holotype: U.S. Nat. Mus. 76861.

COELORHYNCHUS DORYSSUS Gilbert 1905, Bu Fish Comm., vol. 23 for 1903, part 2 pl. 94.

Paratypes (2): SU 8634; Station 4021, west coast of Kauai Island, Hawaiian Isla amaulu warehouse, S. 28° 30', W. 9.5 399 fathoms. Collector: "Albatross"; 1902.
Holotype: U.S. Nat. Mus. 51616.

COELORHYNCHUS GLADIUS Gilbert and Cram Proc. U.S. Nat. Mus., vol. 19, no. 421, pl. 41, fig. 3.

Paratypes (2): SU 4929; Station 3472, Islands (21° 12' North Latitude, 157° Longitude); 295 fathoms. Collector: "Al December 4, 1891.
Holotype: U.S. Nat. Mus. 47706.

S *MACROLEPIS* Gilbert and Hubbs 1920, t. Mus. Bull. 100, vol. 1, part 7, p. g. 14.

(12): SU 26774; Station 5365, Balayán Philippine Islands (6.7 miles off Cape ht, 13° 44' 24" North Latitude, 120° Longitude); 214 fathoms. Collector: February 22, 1909. *Paratypes* (19): ation 5111, sea near southern Luzón, slands (4.5 miles off Sombrero Island, North Latitude, 120° 46' 30" East 236 fathoms. Collector: "Albatross"; 1908. *Paratypes* (15): SU 23977; China thern Luzón, Philippine Islands. Col- atross"; January 16, 1908. U.S. Nat. Mus. 78220.

CUS PRODUCTUS Gilbert and Hubbs 1916, J.S. Nat. Mus., vol. 51, no. 2149, p. . 9, fig. 1.

(2): SU 22977; Station 5059, 7.3 miles ri, Suruga Gulf, Japan (35° 05' 30" de, 138° 39' 50" East Longitude); 197- Collector: "Albatross"; October 13,

U.S. Nat. Mus. 76865.

CUS SEXRADIATUS Gilbert and Hubbs 1920, at. Mus. Bull. 100, vol. 1, part 7, p. ig. 11.

(3): SU 25434; Station 5565, 6 miles sland, between Jolo and Tawi Tawi, Sulu , Philippine Islands (5° 51' 42" North 20° 30' 30" East Longitude); 243 fath- ctor: "Albatross"; September 21, 1909. U.S. Nat. Mus. 78217.

US THOMPSONI Gilbert and Hubbs 1920, J.S. Nat. Mus. No. 100, vol. 1, part 7, fig. 8.

1): SU 25496; Station 5110, China Sea, f Corregidor Light, southern Luzón, Islands (13° 59' 20" North Latitude, " East Longitude); 135 fathoms. Col- atross"; January 15, 1908. U.S. Nat. Mus. 78214.

CUS VELIFER Gilbert and Hubbs 1920, Bull. lat. Mus. No. 100, vol. 1, part 7, p. ig. 10.

(20): SU 25430; Station 5289, China ty of southern Luzón, 5 miles off Mato- Philippine Islands (13° 41' 50" North 20° 58" 30" East Longitude); 172 fath- ctor: "Albatross"; July 22, 1908. *Para-* : SU 25431; Stations 5289 (as for the and 5293, China Sea, vicinity of south- 6 miles off Escarceo Light, Philippine ° 28' 15" North Latitude, 121° 04' 30" ude); 180 fathoms. Collector: "Alba- ly 23, 1908. Specimens from these two e mixed in one bottle. U.S. Nat. Mus. 78216.

CORYPHAENOIDES ARIOMMUS Gilbert and Thompson, in: Thompson 1916, Proc. U.S. Nat. Mus., vol. 50, no. 2133, p. 471, pl. 5, fig. 1.

Paratypes (7): SU 22728; Station 2791, off Lota, Chile (38° 08' South Latitude, 75° 53' West Longitude); 677 fathoms. Collector: "Albatross"; February 14, 1888.
Holotype: U.S. Nat. Mus. 76859.

CORYPHAENOIDES AWAE Jordan and Gilbert, in: Jordan and Starks 1904, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 608, fig.

Holotype: SU 8547; off Nanaura in Awa at the entrance of the bay of Tokyo, Japan. Presented to Stanford University by the Imperial University of Japan.

CORYPHAENOIDES GARMANI Jordan and Gilbert, in: Jordan and Starks 1904, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 610, fig.

Paratypes (5): SU 8548; Stations 3697 and 3698, or both, mixed, Sagami Bay, Honshu Island, Japan: Station 3697 (Manazuru Zaki, 26°, W. 6.0 m.); 120-265 fathoms. Collector: "Albatross"; May 5, 1900. Station 3698 (Manazuru Zaki, N. 8°, W. 4.5 m.); 153 fathoms. Collector: "Albatross"; May 5, 1900.
Holotype: U.S. Nat. Mus. 50933.

CORYPHAENOIDES MISAKIUS Jordan and Gilbert, in: Jordan and Starks 1904, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 611, fig.

Holotype: SU 8107; Misaki, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (4): SU 8107; Sagami Bay, near Misaki, Japan. Collectors and date as for the holotype.

CORYPHAENOIDES SEMISCABER Gilbert and Hubbs 1920, Bull. U.S. Nat. Mus. No. 100, vol. 1, part 7, p. 410, fig. 6.

Paratypes (2): SU 25452; Station 5534, 14.7 miles off Balicsag Island, between Cebú and Siquijor, Philippine Islands (9° 26' North Latitude, 123° 26' 37" East Longitude); 333 fathoms. Collector: "Albatross"; August 19, 1909.
Holotype: U.S. Nat. Mus. 83625.

GADOMUS BOWERSI Gilbert 1905, Bull. U.S. Fish Comm., vol. 23 for 1903, part 2, p. 659, fig. 257.

Paratypes (2): SU 8651; Station 4151 (at least the large specimen; a note in the bottle gives this station for the large specimen but says nothing about the other), vicinity of Bird Island, Hawaiian Islands (center of Bird Island, S. 32°, W. 12.8'); 313-871 fathoms. Collector: "Albatross"; August 5, 1902.
Holotype: U.S. Nat. Mus. 51658.

GADOMUS INTRONIGER Gilbert and Hubbs 1920, Bull.

U.S. Nat. Mus. No. 100, vol. 1, part 7, p. 401, fig. 5.

Paratypes (6): SU 25433; Station 5648, 10.2 miles off North Island, Buton Strait, Celebes (5° 35' South Latitude, 122° 20' East Longitude); 559 fathoms. Collector: "Albatross"; December 16, 1909.
Holotype: U.S. Nat. Mus. 78209.

HYMENOCEPHALUS ANTRAEUS Gilbert and Cramer 1897, Proc. U.S. Nat. Mus., vol. 19, no. 1114, p. 428, pl. 46, fig. 2.

Paratypes (14): SU 4922; Station 3470 (21° 08' 30" North Latitude, 157° 49' West Longitude); 343 fathoms. Collector: "Albatross"; December 4, 1891.
Holotype: U.S. Nat. Mus. 47735.

HYMENOCEPHALUS ATERRIMUS Gilbert 1905, Bull. U.S. Fish Comm., vol. 23 for 1903, part 2, p. 666, pl. 93.

Paratypes (4): SU 8513; from the following "Albatross" localities: Station 3989, vicinity of Kauai Island (Hanamaulu warehouse, S. 33°, W. 9.5'); 385-733 fathoms; June 11, 1902. Station 4019, vicinity of Kauai Island, Hawaiian Islands (Hanamaulu warehouse, S. 43°, W. 8.1'); 409-724 fathoms; June 21, 1902. Station 4137, vicinity of Kauai Island, Hawaiian Islands (Hanamaulu warehouse, N. 65° 15', W. 4'); 411-476 fathoms; August 1, 1902. Station 4180, vicinity of Niihau Island, Hawaiian Islands (Kawahioa Point, S. 58°, W. 19.5'); 41[illegible]-426 fathoms; August 12, 1902.
Holotype: U.S. Nat. Mus. 51649.

HYMENOCEPHALUS LETHONEMUS Jordan and Gilbert, in: Jordan and Starks 1904, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 615, fig.

Paratypes (6): SU 8641; either Station 3697, off Honshu Island, Japan (Manazuru Zaki, 26°, W. 6.0 m.); 120-265 fathoms; May 5, 1900; or Station 3707, off Honshu Island, Japan (Ose Zaki, S. 53°, W. 2.25 m.); 63-75 fathoms; May 8, 1900. Collector: "Albatross".
Holotype: U.S. Nat. Mus. 50936.

HYMENOCEPHALUS STRIATISSIMUS Jordan and Gilbert, in: Jordan and Starks 1904, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 612, fig.

Paratype (1): SU 8549; Suruga Bay, Honshu Island, Japan, from one of the following localities: Station 3738 (entrance to Port Heda, N. 84°, E. 1.2 m.); 167 fathoms; May 17, 1900. Station 3721 (Oi Gawa, N. 49°, W. 2.8 m.); 207-250 fathoms; May 12, 1900. Collector: "Albatross".
Holotype: U.S. Nat. Mus. 50934.

HYMENOCEPHALUS STRIATULUS Gilbert 1905, Bull. U.S. Fish Comm., vol. 23 for 1903, part 2, p. 665, fig. 259.

Paratypes (3): SU 8637; off the southern coast of Oahu Island, Hawaiian Islands, from the following "Albatross" localities: tag no. 836, from Station 3920 (Diamond Head Light, N. 74°, E. 265-280 fathoms; May 6, 1902. Tag nos. 232, from Station 4122 (Barbers Point L. 82°, E. 2.2'); 192-352 fathoms; July 26, 1
Holotype: U.S. Nat. Mus. 51611.

MACROURUS GIBBER Gilbert and Cramer 189
U.S. Nat. Mus., vol. 19, no. 1114, pl. 44, fig. 2.

Paratypes (14): SU 3141; Station 3474; of the Hawaiian Islands (21° 12' North L 157° 38' 30" West Longitude); 375 fathoms. tor: "Albatross"; December 6, 1891.
Holotype: U.S. Nat. Mus. 47733.

MACROURUS HOLOCENTRUS Gilbert and Cram
Proc. U.S. Nat. Mus., vol. 19, no. 425, pl. 43.

Paratype (1): SU 3137; Station 3474, vic the Hawaiian Islands (21° 12' North Latit 38' 30" West Longitude); 375 fathoms. Co "Albatross"; December 6, 1891.
Holotype: U.S. Nat. Mus. 47734.

MACROURUS MACRONEMUS Smith and Radcliffe, cliffe 1912, Proc. U.S. Nat. Mus., no. 1924, p. 115, pl. 24, fig. 3.

Paratype (1): SU 25233; Philippine Collector: "Albatross"; 1907-1910.
Holotype: U.S. Nat. Mus. 72931.

MACROURUS MICROPS Smith and Radcliffe, cliffe 1912, Proc. U.S. Nat. Mus., no. 1924, p. 116, pl. 25, fig. 2.

Paratype (1): SU 25446; Station 532 miles off Hermanos Island, northern Luzón pine Islands (18° 34' 15" North Latitude, 15" East Longitude); 224 fathoms. Co "Albatross"; November 12, 1908.
Holotype: U.S. Nat. Mus. 72933.

MACRURUS CINEREUS Gilbert 1895, Rept. U. Fish and Fish. for 1893, p. 457.

Syntypes (3): SU 3084; Station 3340, o koff, south of Ookamok Island, North Pac 26' North Latitude, 155° 26' West Longitu fathoms. Collector: "Albatross"; August

MACRURUS (COELORHYNCHUS) SCAPHOPSIS Gilb
Proc. U.S. Nat. Mus., vol. 13, no. 115.

Syntypes (12): SU 179; Station 3015, California (29° 19' North Latitude, 112° Longitude); 145 fathoms. Collector: "Al March 24, 1889.

MALACOCEPHALUS HAWAIIENSIS Gilbert 19
U.S. Fish Comm., vol. 23 for 1903, p 677, fig. 265.

(3): SU 8522; near Kauai Island, Ha-
nds, the Stanford register giving the
38 and 4134. Station 3988 (Hanamaulu
e S. 21°. W. 12.6'); 165-469 fathoms;
2. Station 4134 (Hanamaulu warehouse,
W. 5.2'); 225-324 fathoms; August 1,
ctor: "Albatross";
U.S. Nat. Mus. 51618.

HUS ANTRODES Jordan and Gilbert, in:
and Starks 1904, Bull. U.S. Fish Comm.,
.22 for 1902, p. 606, pl. 4, fig. 1.

(6): SU 8564; Station 3696, Sagami
Island, Japan (Manazuru Zaki, N. 70°,
501-749 fathoms. Collector: "Alba-
5, 1900.
U.S. Nat. Mus. 50932.

S CYCLOLEPIS Gilbert 1895, Rept. U.S.
Fish and Fish. for 1893, p. 458.

(1): SU 3090; Station 3342, off Queen
Island, British Columbia (52° 39' 30"
tude, 132° 38' West Longitude); 1588
Collector: "Albatross"; September 3,

DENS Gilbert and Thompson, in: Thompson
, Proc. U.S. Nat. Mus., vol. 50, no.
, p. 472, pl. 5, fig. 2.

(1): SU 22727; Station 2791, off Lota,
08' South Latitude, 75° 53' West Longi-
fathoms. Collector: "Albatross"; Feb-
1888.
: U.S. Nat. Mus. 76860.

ATHERODON Gilbert and Cramer 1897, Proc.
Nat. Mus., vol. 19, no. 1114, p. 431,
.46, fig. 1.

es (5): SU 3144; Station 3474, vicinity
waiian Islands (21° 12' North Latitude,
30" West Longitude); 375 fathoms. Col-
Albatross"; December 6, 1891.
e: U.S. Nat. Mus. 47729.

'ILAMENTOSA Smith and Radcliffe, in: Rad-
fe 1912, Proc. U.S. Nat. Mus., vol. 43,
1924, p. 107, pl. 22, fig. 2.

pes (2): SU 25250; Philippine Islands.
: "Albatross"; 1907-1910. A note in the
ives "L. 4243".
pe: U.S. Nat. Mus. 72924.

DUS MODIFICATUS Gilbert and Hubbs 1916,
c. U.S. Nat. Mus., vol. 51, no. 2149, p.
5, pl. 8, fig. 2.

ype (1): SU 22928; Station 4956, Bungo
, 33 miles off Mizunoko Shima Light, Kyushu,
32° 32' North Latitude, 132° 25' East Long-
720 fathoms. Collector: "Albatross";
23, 1906.

Holotype: U.S. Nat. Mus. 76864.

TRACHONURUS SENTIPELLIS Gilbert and Cramer 1897, Proc. U.S. Nat. Mus., vol. 19, no. 1114, p. 429, pl. 45, fig. 1.

Paratype (1): SU 3140; Station 3474, vicinity of the Hawaiian Islands (21° 12' North Latitude, 157° 38' 30" West Longitude); 375 fathoms. Collector: "Albatross"; December 6, 1891.
Holotype: U.S. Nat. Mus. 47980.

Family ATELEOPODIDAE

ATELEOPUS PLICATELLUS Gilbert 1905, Bull. U.S. Fish Comm., vol. 23 for 1903, part 2, p. 653, fig. 253.

Paratype (1): SU 8650; Station 3918, off the south coast of Oahu Island, Hawaiian Islands (Diamond Head Light, N. 63°, E. 8'); 257-294 fathoms. Collector: "Albatross"; May 6, 1902.
Holotype: U.S. Nat. Mus. 51586.

Order THORACOSTEI

Family GASTEROSTEIDAE

GASTEROSTEUS GLADIUNCULUS Kendall 1896, Proc. U.S. Nat. Mus., vol. 18, no. 1089, p. 623.

Paratypes (3): SU 4373; south coast of Maine. Collector: U.S. Fish Comm. Schooner "Grampus"; summer of 1895.
Holotype: U S. Nat. Mus. 47589.

PYGOSTEUS UNDECIMALIS Jordan and Starks 1902, Proc. U.S. Nat. Mus., vol. 26, no. 1308, p. 62, fig. 1.

Holotype: SU 7119; Chitose, in Hokkaido, Japan. Collector: Nozawa of the Sapporo Museum. *Paratypes* (5): SU 7153; data exactly as for holotype.

Family INDOSTOMIDAE

INDOSTOMUS PARADOXUS Prashad and Mukerji 1929, Rec. Indian Mus., vol. 31, part 3, p. 220, pl. 10, figs. 1, 2 and 3.

Paratypes (2): SU 33880; north end of Indawgyi Lake near Nyaungbin, Myitkyina District, Upper Burma. Collectors: a party of the Zoological Survey of India under the leadership of Dr. B. N. Chopra; October-December, 1926.
Holotype: Zool. Survey of India (Indian Museum) F. 11013/1.

Order SOLENICHTHYES

Family FISTULARIIDAE

FISTULARIA CORNETA Gilbert and Starks 1904, Mem. California Acad. Sci., vol. 4, p. 56, figs. 18 and 18a.

Holotype: SU 6808; Panamá market, Panamá. Collectors: Charles H. Gilbert et al; January 10-February 24, 1896. **Paratypes* (7): SU 342; Panamá and Mazatlán, Sinaloa, México—mixed. Collectors: Charles H. Gilbert and the "Albatross" from Panamá, and the Hopkins Expedition from Mazatlán. The specimens from Mazatlán were originally catalogued as No. 2851, *F. depressa*; now there is no immediate way of separating those from the two localities.

Family MACRORHAMPHOSIDAE

MACRORHAMPHOSUS HAWAIIENSIS Gilbert 1905, Bull. U.S. Fish Comm., vol. 23 for 1903, part 2, p. 613, fig. 237.

Paratype (1): SU 9062; Station 3940, near Laysan Island, Hawaiian Islands (Laysan Island Light, S. 84°, E. 7.0'); 59-70 fathoms. Collector: "Albatross"; May 16, 1902.
Holotype: U.S. Nat. Mus. 51618.

MACRORHAMPHOSUS SAGIFUE Jordan and Starks 1902, Proc. U.S. Nat. Mus., vol. 26, no. 1308, p. 69, fig. 2.

Holotype: SU 7125; Enoura, Suruga, Japan. Received from the Imperial Museum of Japan. *Paratype* (1): SU 7150; Station 3707, Suruga Bay, Honshu Island, Japan (Ose Zaki, S. 53°, W. 2½ m.); 63-70 fatnoms. Collector: "Albatross"; May 8, 1900. **Paratypes* (4): SU 7947; Station 3763, off Honshu Island, Japan (Suno Saki, S. 63°, E. 3.3 m.); 49-52 fathoms. Collector: "Albatross"; May 22, 1900.

Family SOLENOSTOMIDAE

SOLENOSTOMUS PHANTASTICUS Herre 1933, Copeia, no. 1, p. 17.

Holotype: SU 25514; eel grass at Dumaguete, Oriental Negros, Philippine Islands. Collector: Albert W. C. T. Herre; June 8, 1931.

Family SYNGNATHIDAE

BOMBONIA UXORIUS Herre 1935, Field Mus. Nat. Hist., Publ. 335, zool. ser., vol. 18, no. 12, p. 395.

Paratype (1): SU 25764; small fresh-water stream flowing into Majalibit Inlet, Waigiu Island. Collector: Albert W. C. T. Herre; June 6, 1929.
Holotype: Chicago Nat. Hist. Mus. 17493.

BRYX VELERONIS Herald 1940, Allan Hancock Expeditions, vol. 9, no. 3, p. 55.

Paratypes (3): SU 34342; Station 305-34, Island, México. Collector: "Velero III"; oms; July 11, 1934. Paratypes (2): SU 342 tion 799-38, Cartago Bay, Albemarle Island os. Collector: "Velero III"; 15-20 fatnom uary 22, 1938.
Holotype: Alan Hancock Foundation 6.

CORYTHROICHTHYS CAYORUM Evermann and Kenda Bull. U.S. Fish Comm., vol. 17 for 1 128, pl. 7, fig. 7.

Paratype (1): SU 6313; near Crawfish West, Florida. Collectors: Barton W. Ever William C. Kendall; October 23, 1896.
Holotype: U.S. Nat. Mus. 48784.

CORYTHROICHTHYS ELERAE Evermann and Seal Bull. U.S. Bureau Fish., vol. 26 for 57, fig. 2.

Paratype (1): SU 20001; Bacón, Sorsogón, pine Islands. Collector: Charles J. Piers
Holotype: U.S. Nat. Mus. 55908.

CORYTHROICHTHYS ISIGAKIUS Jordan and Snyd Proc. U.S. Nat. Mus., vol. 24, no. 1 7, pl. 5.

Holotype: SU 6519; Yaeyama, Ishigaki Riukiu group. Collector: Alan Owston. A (11): SU 6736; data exactly as for holoty

CORYTHROICHTHYS SEALEI Jordan and Star Jordan and Seale 1906, Bull. U.S. Fish., vol. 25 for 1905, p. 213, f

Paratype (1): SU 8724; Apia, Samoa. Col David Starr Jordan and party; summer of 19
Holotype: U.S. Nat. Mus. 51722.

CORYTHROICHTHYS TANAKAE Jordan and Stark Proc. U.S. Nat. Mus., vol. 30, no. 1 696, fig. 2.

Paratype (1): SU 9358; Tanegashima, Japa lectors: Anderson and Anderson; 1904-1905.
Holotype: U.S. Nat. Mus. 53271.

CORYTHROICHTHYS WAITEI Jordan and Seal Bull. U.S. Bureau Fish., vol. 25 for 212, fig. 17.

Paratype (1): SU 8725; Apia, Samoa. Col David Starr Jordan and party; summer of 19
Holotype: U.S. Nat. Mus. 51723.

DORYICHTHYS SPANIASPIS Jordan and Seal Bull. U.S. Bureau Fish., vol. 26 for 10, fig. 3.

SU 9240; Cavite, Cavite Province, ppine Islands. Collector: George A. of 1900.

MACGREGORI Jordan and Richardson ull. U.S. Bureau Fish., vol. 27 for . 246, fig. 7.

SU 20202 (the original description ives U.S. Nat. Mus. 20202 for the in, Babuyán Island, Philippine Islands. chard C. McGregor.

NEGROSENSIS Herre 1934, The Fishes of rre Philippine Expedition of 1931, per Enterprise Ltd., Hong Kong, p.

and 1 *paratype*: SU 25503; tide pool ete, Oriental Negros, Philippine Is- lector: Albert W. C. T. Herre; June, specimens are mixed in the same bottle.

ATERRIMUS Jordan and Snyder 1901, Proc. t. Mus., vol. 24, no. 1241, p. 14, pl. 9.

: SU 6516; Ishigaki Islands, Riukiu lector: Alan Owston. *Paratypes* (3): a exactly as for holotype.

BARBOURI Jordan and Richardson 1908, U.S. Bureau Fish., vol. 27 for 1907, p. ig. 8.

(2): SU 20205; Cuyo, Philippine Islands. Richard C. McGregor.
U.S. Nat. Mus. 61683.

FISHERI Jordan and Evermann 1903, Bull. ish Comm., vol. 22 for 1902, p. 169.

(2): SU 7450; Hilo, Hawaiian Islands. David Starr Jordan and Barton W. Ever-

U.S. Nat. Mus. 50625.

KELLOGGI Jordan and Snyder 1901, Proc. Nat. Mus., vol. 24, no. 1241, p. 14,

: SU 6521; Kagoshima, Japan. Collected Mitsukuri and presented to Stanford by al University of Japan in 1900.

S ZOSTERAE Jordan and Gilbert 1882, Proc. Nat. Mus., vol. 5, no. 282, p. 265.

(2): SU 1671; Pensacola, Florida. Col- vid Starr Jordan; March, 1882.
: U.S. Nat. Mus. 30852.

US MAGDAMOI Herre 1932, Copeia, no. 3, 11.

: SU 27716; Dumaguete, Oriental Negros, Philippine Islands. Collector: Albert W. C. T. Herre; June 8, 1929.

MICROGNATHUS SUVENSIS Herre 1935, Field Mus. Nat. Hist., Publ. 335, zool. ser., vol. 18, no. 12, p. 396.

Paratype (1): SU 24432; Suva Harbor, Viti Levu Island, Fiji. Collector: Albert W. C. T. Herre; March 13, 1929.
Holotype: Chicago Nat. Hist. Mus. 17229.

MICROPHIS EXTENSUS Snyder 1911, Proc. U.S. Nat. Mus., vol. 40, no. 1836, p. 525.

Paratype (1): SU 21418; Naha, Okinawa. Collectors: John O. Snyder and Michitaro Sindo.
Holotype: U.S. Nat. Mus. 68226.

MICROPHIS OCELLATUS Snyder 1909, Proc. U.S. Nat. Mus., vol. 36, no. 1688, p. 598.

Paratype (1): SU 21133; Naha, Okinawa, Japan. Collectors: John O. Snyder and Michitaro Sindo; 1906.
Holotype: U.S. Nat. Mus. 62946.

SIPHOSTOMA CARINATUM Gilbert 1892, Proc. U.S. Nat. Mus., vol. 14, no. 880, p. 547.

Syntypes (4): SU 240; Station 3027, Gulf of California (31° 31' 45" North Latitude, 114° 19' West Longitude); 10 fathoms. Collector: "Albatross"; March 26, 1889.

SIPHOSTOMA FLORIDAE Jordan and Gilbert 1882, Proc. U.S. Nat. Mus., vol. 5, no. 282, p. 263.

Paratypes (3): SU 407; Pensacola, Florida. Collector: David Starr Jordan; March, 1882.
Holotype: U.S. Nat. Mus. 30826.

SIPHOSTOMA MCKAYI Swain and Meek 1884, Proc. U.S. Nat. Mus., vol. 7, no. 428, p. 239.

Syntypes (4): SU 1894; Key West, Monroe County, Florida. Collector: David Starr Jordan; about 1884.
Syntypes: No type was selected in the original description, Swain and Meek's statement being: "This species is described from three female and six male specimens, obtained by Professor Jordan at Key West. Some of these typical specimesn (No. 34989) are now in the United States National Museum."

SIPHOSTOMA ROBERTSI Jordan and Rutter 1897, Proc. Acad. Nat. Sci. Philadelphia, p. 97.

Holotype: SU 4988; Kingston, Jamaica. Collector: Joseph S. Roberts; about 1896.

SIPHOSTOMA SCOVELLI Evermann and Kendall 1896, Proc. U.S. Nat. Mus., vol. 18, no. 1043, p. 113.

Syntypes (4): SU 5470; Shamrock Point, Corpus Christi, Texas. Collectors: Barton W. Evermann, Josiah T. Scovell and Revere R. Gurley; November 29, 1891. *Syntypes* (3): SU 8613; locality and collectors as for the preceding; November 30, 1891.
Syntypes: A male and a female were selected as types in the original description (numbered U.S. Nat. Mus. 47300) rather than a single type specimen, so all are considered syntypes.

SIPHOSTOMA SINALOAE Jordan and Starks 1896, Proc. California Acad. Sci., ser. 2, vol. 6, p. 268.

**Holotype*: SU 2945; Mazatlán, Sinaloa, México. Collectors: the Hopkins Expedition; December 24, 1894-January 25, 1895.

SIPHOSTOMA STARKSII Jordan and Culver, in: Jordan 1895, Proc. California Acad. Sci., ser. 2, vol. 5, p. 416, pl. 30.

Syntypes (5): SU 2686; Río Presidio in sluggish water, on the bottom, about a mile below the village of Presidio, Sinaloa, México. Collectors: The Hopkins Expedition; December 24, 1894-January 25, 1895.

SYNGNATHUS COCCINEUS Herald 1940, Allan Hancock Pacific Expeditions, vol. 9, no. 3, p. 57.

Paratype (1): SU 34340; Station 799-38, Cartago Bay, Albemarle Island, Galápagos; 15-20 fathoms. Collector: "Velero III"; January 22, 1938.
Holotype: U.S. Nat. Mus. 101688.

SYNGNTHUS DUNCKERI Metzelaar 1919, Over Tropisch Atlantische Visschen, part 1, p. 28, fig. 9.

Syntypes (2): SU 23319; the playa grandi, Curacao Island, West Indies. Collector: J. Boeke; 1904-1905. A note in the bottle states "drawn 4 times natural size".

SYNGNATHUS MACKAYI NESIOTES Herald 1942, Stanford Ichthyological Bull., vol. 2, no. 4, p. 128.

Paratype (1): SU 36484; Nonsuch Island, Bermuda. Collector: Bermuda Oceanographic Expedition, Dept. Tropical Research, New York Zoological Society; October 18, 1930. *Paratype* (1): SU 36485; locality and collector as for the preceding; 1934.
Holotype: New York Zool. Soc. 8919.

SYNGNATHUS MARTINI Herre 1936, Philippine Journ. Sci., vol. 59, no. 3, p. 358, pl. 1, fig. 2.

Holotype: SU 30973; Manila Bay, Luzón, Philippine Islands. Collector: Albert W. C. T. Herre; November or December, 1933.

SYNGNATHUS SPRINGERI Herald 1942, Stanford Ichthyological Bull., vol. 2, no. 4, p. 125.

Holotype: SU 36460; Lemon Bay, Englewood, Florida. Collector: Stewart Springer; about 1937 (the Stanford register gives "ca. 1938").

UROCAMPUS RIKUZENIUS Jordan and Snyder 1 U.S. Nat. Mus., vol. 24, no. 12 pl. 7.

Holotype: SU 6520; Matsushima Bay, Ja lectors: David Starr Jordan and John C summer of 1900.

YOZIA WAKANOURAE Jordan and Snyder 19 U.S. Nat. Mus., vol. 24, no. 12 pl. 6.

Holotype: SU 6517; Wakanoura, Japan. C David Starr Jordan and John O. Snyder; 1900.

Order ALLOTRIOGNATHI

Family TRACHYPTERIDAE

TRACHYPTERUS REX-SALMONORUM Jordan and 1894, Proc. California Acad. Sci. vol. 4, p. 144.

Holotype: SU 1060 (also catalogued as correctly given as 1382 in the original tion); San Francisco, California, from o bay. Collector: Newton B. Knox.

TRACHYPTERUS SELENIRIS Snyder 1908, Pr Nat. Sci. Philadelphia, p. 319.

Holotype: SU 13080; beach at Monterey nia. Collector: Frederick A. Woodwor 1907.

Order SALMOPERCAE

Family PERCOPSIDAE

COLUMBIA TRANSMONTANA Eigenmann and 1892, Science (old series), vol. 2 p. 234.

Syntypes (3): SU 517; the Umatilla stream which expands over a sand strip shallow lagoon before emptying into the River, Oregon. Collector: Carl H. Eigen tember 6-7, 1892. *Syntypes* (5): SU 2771 for the preceding.

Order BERYCOMORPHI

Family POLYMIXIIDAE

POLYMIXIA BERNDTI Gilbert 1905, Bull. Comm., vol. 23 for 1903, part 2 pl. 78.

Paratype (1): SU 8563; Station 4115 northwest coast of Oahu Island, Hawaii (Kahuku Point, N. 83°, E. 9.0'); 195-24

batross"; July 25, 1902.
S. Nat. Mus. 51607.

Family TRACHICHTHYIDAE

MELANOPTERUS Fowler 1938, Proc. U.S. , vol. 85, no. 3032, p. 36, fig. 9.

): SU 40191; Station 5533, between jor, 9.4 miles off Balicasag Island, slands (9° 27' 15" North Latitude, East Longitude); 432 fathoms. Coll- ross"; August 19, 1909. This speci- rly U.S. Nat. Mus. 93336. *Paratypes* 2; Station 5492, between Leyte and 2 miles off Diuata Point, Philippine 2' 45" North Latitude, 125° 20' East 35 fathoms. Collector: "Albatross"; 09. These specimens were formerly . 93330.
.S. Nat. Mus. 93329.

Family HOLOCENTRIDAE

HROPS Jordan and Evermann 1903, Bull. sh Comm., vol. 22 for 1902, p. 174.

1): SU 7455; Hilo, Hawaiian Islands, David Starr Jordan and Barton W. Ever- *Paratypes* (8): SU 7456; Honolulu, ands. Collectors and date as for the .
U.S. Nat. Mus. 50633.

ENSIFER Jordan and Evermann 1903, U S. Fish Comm., vol. 22 for 1902, p.

1): SU 7458; Kailua, Hawaiian Islands. David Starr Jordan and Barton W. Ever-
U.S. Nat. Mus. 50637.

ITTODAI Jordan and Fowler 1902, Proc. Nat. Mus., vol. 26, no. 1306, p. 16, 4.

: SU 7746; Nafa, in Okinawa, Riukiu, lectors: David Starr Jordan and John O. mer of 1900.

S TORTUGAE Jordan and Thompson 1905, U.S. Bureau Fish., vol. 24 for 1904, 6, fig. 1.

: SU 8412; on the reef at Garden Key, as, Florida. Collector: Joseph C. Thomp-

US XANTHERYTHRUS Jordan and Evermann , Bull. U.S. Fish Comm., vol. 22 for , p. 175.

Paratypes (2): SU 7457; Honolulu, Hawaiian Islands. Collectors: David Starr Jordan and Barton W. Evermann; 1901.
Holotype: U.S. Nat. Mus. 50635.

MYRIPRISTIS ARGYROMUS Jordan and Evermann 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 172.

Paratypes (3): SU 7453; Honolulu, Hawaiian Islands. Collectors: David Starr Jordan and Barton W. Evermann; 1901.
Holotype: U.S. Nat. Mus. 50631.

MYRIPRISTIS BERNDTI Jordan and Evermann 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 170.

Paratypes (6): SU 7451; Honolulu, Hawaiian Islands. Collectors: David Starr Jordan and Barton W. Evermann; 1901.
Holotype: U.S. Nat. Mus. 50627.

MYRIPRISTIS CHRYSERES Jordan and Evermann 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 171.

Paratypes (5): SU 7452; Honolulu, Hawaiian Islands. Collectors: David Starr Jordan and Barton W. Evermann; 1901.
Holotype: U.S. Nat. Mus. 50629.

MYRIPRISTIS MOOREANUS Herre 1935, Field Mus. Nat. Hist., zool. ser., vol. 18, no. 12, p. 394.

Paratypes (3): SU 24425; island of Moorea, one of the Society group. Collector: Albert W. C. T. Herre on the Crane Pacific Expedition; February 23, 1929.
Holotype: Chicago Nat. Hist. Mus. 17225.

MYRIPRISTIS SANGUINEUS Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 221, fig. 24.

Paratype (1): SU 8672; Apia, Samoa. Collectors: David Starr Jordan and party; summer of 1902.
Holotype: U.S. Nat. Mus. 51721.

MYRIPRISTIS SEALEI Jenkins 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 439, fig. 13.

Paratypes (11): SU 23298; Honolulu, Hawaiian Islands. Collector: Oliver P. Jenkins; summer of 1889.
Holotype: U.S. Nat. Mus. 50708.

MYRIPRISTIS SYMMETRICUS Jordan and Evermann 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 173.

Paratype (1): SU 7454; Hilo, Hawaiian Islands. Collectors: David Starr Jordan and Barton W. Evermann; 1901.
Holotype: U.S. Nat. Mus. 50632.

Family MELAMPHAIDAE

MELAMPHAES BISPINOSUS Gilbert 1915, Proc. U.S. Nat. Mus., vol. 48, no. 2075, p. 325, pl. 15, fig. 5.

Paratype (1): SU 22984; Station 4335, off San Diego, California, 14.1 miles off Point Loma Light House; 500-530 fathoms. Collector: "Albatross"; March 9, 1904. *Paratype* (1): SU 22983; Station 4336, 14.8 miles off Point Loma Light House, southern California; 518-565 fathoms. Collector: "Albatross"; March 10, 1904. *Paratype* (1): SU 22989; Station 4382, 5.4 miles off the south point of North Coronado Island, California; 642-666 fathoms. Collector: "Albatross"; March 18, 1904. *Paratype* (1): SU 22972; Station 4402, 5.8 miles off the east point of Northwest Harbor, San Clemente Island, California; 542-599 fathoms. Collector: "Albatross"; April 8, 1904.
Holotype: U.S. Nat. Mus. 75809.

MELAMPHAES UNICORNIS Gilbert 1905, Bull. U.S. Fish Comm., vol. 23 for 1903, part 2, p. 615, pl. 77, fig. 1.

**Paratype* (1): SU 8610; Station 4005, vicinity of Kauai, Hawaiian Islands (Ukula Point, N. 60°, W. 2.2'); 480-577 fathoms. Collector: "Albatross"; June 17, 1902.
Holotype: U.S. Nat. Mus. 51517.

Order ZEOMORPHI

Family ZEIDAE

STETHOPRISTIS EOS Gilbert 1905, Bull. U.S. Fish Comm., vol. 23 for 1903, part 2, p. 622, fig. 241.

Paratype (1): SU 8649; Station 3867, Pailolo Channel, between Molokai and Maui Islands, Hawaiian Islands (Mokuhooniki Islet, S. 64° 30', W. 9.1'); 284-290 fathoms. Collector: "Albatross"; April 10, 1902.
Holotype: U.S. Nat. Mus. 51626.

Family CAPROIDAE

ANTIGONIA EOS Gilbert 1905, Bull. U.S. Fish Comm., vol. 23 for 1903, part 2, sect. 2, p. 621, pl. 80, fig. 1.

Paratypes (3): SU 8617; Hawaiian Islands. Collector: "Albatross"; March-August, 1902.
Holotype: U.S. Nat. Mus. 51593.

Order PERCESOCES

Family SPHYRAENIDAE

SPHYRAENA IDIASTES Heller and Snodgrass 1903, Proc. Washington Acad. Sci., vol. [illegible] pl. 2.

Holotype: SU 12331; Seymour Island, [illegible] Collectors: Robert E. Snodgrass and Edmu[illegible] 1898-1899.

SPHYRAENA PUTNAMIAE Jordan and Seale 19[illegible] Davenport Acad. Sci., vol. 10, p. 4.

Holotype: SU 9063 (this specimen was a[illegible] logued as 9263); market at Hong Kong, Ch[illegible] lector: William Finch; summer of 1900. (2): SU 9339; data exactly as for holotyp[illegible]

Family MUGILIDAE

MUGIL HOSPES Jordan and Culver, in: Jor[illegible] Proc. California Acad. Sci., ser. 2 p. 422, pl. 31.

Syntypes (2): SU 2890; harbor at Mazatl[illegible] loa, México. Collectors: David Starr J[illegible] party on the Hopkins Expedition; Dece[illegible] 1894-January 25, 1895.

MUGIL SETOSUS Gilbert 1892, Proc. U.S. N[illegible] vol. 14, no. 880, p. 549.

Syntypes (5): SU 309; Clarión Island o[illegible] villagigedo group, México. Collector: "Al[illegible] March 4, 1889.

MUGIL THOBURNI Jordan and Starks, in: J[illegible] Evermann 1896, Bull. U.S. Nat. Mus[illegible] part 1, p. 812.

Syntypes (2): SU 1607; Galápagos Islan[illegible] lector: "Albatross".

MYXUS MALAYANUS Herre 1936, Philippi[illegible] Sci., vol. 59, no. 2, p. 286.

Holotype and 4 *paratypes* (mixed in one[illegible] SU 30975; north end of the island of Cel[illegible] Stanford register gives Lembeh Strait[illegible] tor: Albert W. C. T. Herre; June 14, 19[illegible]

Family ATHERINIDAE

ARCHOMENIDIA BOLIVARI Alvarez y Carra[illegible] Ciencia, p. 286, fig. 3.

Paratypes (6): SU 17489; Río Grande y [illegible] loya entre Matías Romero y El Ocotal, Os[illegible] ico. Collector: J. Carranza; April 29, [illegible]
Holotype: place of deposition unknown.

ATHERINA ARAEA Jordan and Gilbert 1884, [illegible] Nat. Mus., vol. 7, no. 402, p. 27[illegible]

Paratypes (3): SU 1870; Key West, Flor[illegible]

... Starr Jordan; December, 1883.
...S. Nat. Mus. 34967.

...MANNI Eigenmann 1903, Bull. U.S. Fish ..., vol. 22 for 1902, p. 228, fig. 9.

... (5): SU 8569; San Cristóbal, Cuba. ...arl H. Eigenmann; March, 1902. ... Indiana Univ. Mus. 9657 now at the ...cad. Sci.

...ULARUM Jordan and Evermann 1903, Bull. ...sh Comm., vol. 22 for 1902, p. 170.

... (17): SU 8560; Station 3834, south ...okai Island, Hawaiian Islands (Kauna-...g, N. 22°, E. 3.8'); 8 fathoms. Col-...atross"; April 2-3, 1902. ...U.S. Nat. Mus. 50819.

...RRISI Jordan and Starks 1906, Proc. ...at. Mus., vol. 30, no. 1462, p. 697, ...

... SU 9359; Miyanoura, Yakushima, Japan ...rd register gives Tanegashima, Japan). ...Robert Van Vleck Anderson.

...LAUA Herre 1935, Field Mus. Nat. Hist., ...335, zool. ser., vol. 18, no. 12, p. ...

... (11): SU 24429; Ovalau Island, Fiji ...ollector: Albert W. C. T. Herre on the ...ic Expedition; March 20, 1929. *Para-...* SU 24426; Suva Harbor, Viti Levu Is-...Islands. Collector as for the preced-...13, 1929. ...Chicago Nat. Hist. Mus. 17272.

...ANATELA Jordan and Richardson 1908, ...U.S. Bureau Fish., vol. 27 for 1907, ...3, fig. 6.

... SU 20203; Calayán Island, Philippine ...collector: Richard C. McGregor.

...SURUGAE Jordan and Starks 1901, Proc. ...Nat. Mus., vol. 24, no. 1250, p. 202, ...2.

... SU 6530; Nagasaki, Hizen, Japan. Col-...avid Starr Jordan and John O. Snyder; ... 1900. *Paratypes* (5): SU 6710; data ... for holotype.

...ISILA Jordan and Seale 1906, Bull. U.S. ...u Fish., vol. 25 for 1905, p. 216, fig. ...

...s (15): SU 8677; Apia, Samoa. Collec-...id Starr Jordan and party; summer of ...

... U.S. Nat. Mus. 51726.

ATHERINA WOODWARDI Jordan and Starks 1901, Proc. U.S. Nat. Mus., vol. 24, no. 1250, p. 200, fig. 1.

Holotype: SU 6529; Okinawa, Riukiu Islands, Japan. Received from the Imperial Museum of Japan. *Paratypes* (5): SU 6714; locality as above. Collector: K. Komeyama.

ATHERINOPS AFFINIS LITTORALIS Hubbs 1918, Bull. American Mus. Nat. Hist., vol. 38, art. 13, p. 426.

Paratypes (19): SU 9926; San Diego, California. Collector: Edwin C. Starks. *Paratype* (1) ?: SU 9926 (in a separate bottle); San Diego, California. A note in the bottle states "this is presumably the specimen selected as the type of the subspecies described under the name on the bottle." However, the bottle has E. C. Starks as the collector, while the holotype is supposed to have been collected by the "Albatross". Furthermore, Marion Grey 1947, Fieldiana: Zoology (Chicago Nat. Hist. Mus.), vol. 32, no. 3, p. 123, states that the holotype is at the Chicago Museum with its proper number as stated in the original description. Therefore, this must be just another paratype, all of the above specimens belonging together.

Holotype: Chicago Nat. Hist. Mus. 2064.

ATHERINOPS INSULARUM Gilbert 1892, Proc. U.S. Nat. Mus., vol. 14, no. 880, p. 549.

Syntypes (8): SU 5297; San Nicholas Island of the Santa Barbara group, California. Collector: "Albatross"; 1888-1889.

ATHERINOPS INSULARUM CEDROSCENSIS Hubbs 1918, Bull. American Mus. Nat. Hist., vol. 38, art. 13, p. 434.

Paratypes (2): SU 2445; Cedros Island, Baja California, México. Collector: "Albatross"; March 11, 1911.

Holotype: American Mus. Nat. Hist. 7144.

ATHERINOPS REGIS Jenkins and Evermann 1889, Proc. U.S. Nat. Mus., vol. 11, no. 698, p. 138.

Paratypes (5): SU 417; bay at Guaymas, Sonora, México. Collectors: Barton W. Evermann and Oliver P. Jenkins; July, 1887.

Holotype: U.S. Nat. Mus. 39632.

ATHERION ELYMUS Jordan and Starks 1901, Proc. U.S. Nat. Mus., vol. 24, no. 1250, p. 202, fig. 3.

Holotype: SU 6528; tide-pools at Misaki, Sagami, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (10): SU 6711; data exactly as for holotype.

ATHERION MACCULLOCHI Jordan and Hubbs 1919, Studies in Ichthyology, Leland Stanford Jr. Univ. Publ., Univ. Ser., p. 30.

Holotype: SU 23188; Lord Howe Island, east of Australia. Collector: Allan R. McCulloch. *Paratypes* (2): SU 23187; data exactly as for holotype.

BASILICHTHYS JORDANI Abbott 1899, Proc. Acad. Nat. Sci. Philadelphia, p. 341.

Holotype: SU 6070; Bay of Callao, Perú. Collector: Admiral Lester A. Beardslee; January, 1896. *Paratype* (1): SU 6073; data exactly as for holotype.

BASILICHTHYS OCTAVIUS Abbott 1899, Proc. Acad. Nat. Sci. Philadelphia, p. 340.

Holotype: SU 6069; Bay of Callao, Perú. Collector: Admiral Lester A. Beardslee; January, 1896.

BASILICHTHYS REGILLUS Abbott 1899, Proc. Acad. Nat. Sci. Philadelphia, p. 339.

Holotype: SU 6071; Bay of Callao, Perú. Collector: Admiral Lester A. Beardslee; January, 1896. *Paratypes* (4): SU 6072; data exactly as for holotype.

CHIROSTOMA CHAPALAE Jordan and Snyder 1901, Bull. U.S. Fish Comm., vol. 19 for 1899, p. 135, fig. 13.

Holotype: SU 6155; Laguna de Chapala near Ocotlán, Jalisco, México. Collector: John O. Snyder; January 2, 1899 (the Stanford register gives December 26, 1898). *Paratypes* (6): SU 6209; data exactly as for holotype.

CHIROSTOMA CONSOCIUM Jordan and Hubbs 1919, Studies in Ichthyology, Leland Stanford Jr. Univ. Publ., Univ. Ser., p. 76.

Paratypes (6): SU 17776; Lake Chapala at La Palma, Michoacán, México. Collector: Seth E. Meek; May 30-31, 1901.
Holotype: Chicago Nat. Hist. Mus. 3672.

CHIROSTOMA CRYSTALLINUM Jordan and Snyder 1901, Bull. U.S. Fish Comm., vol. 19 for 1899, p. 139, figs. 16 and 17.

Holotype: SU 6158; Laguna de Chapala near Ocotlán, Jalisco, México. Collector: John O. Snyder; December 26, 1898. *Paratypes* (4): SU 6203; data exactly as for holotype. However, one of these specimens appears to be one of the two written about on page 140:"..from the Guadalajara markets are shrunken, so that the orbit is larger and the teeth more evident than in those taken at Ocotlán." All four specimens are in the same bottle.

CHIROSTOMA DIAZI Jordan and Snyder 1901, Bull. U.S. Fish Comm., vol. 19 for 1899, p. 137, fig. 15.

Holotype: SU 6157; from the market of Guadalajara, Jalisco, México—said to have come from the Laguna de Chapala. Collector: John O. December 23, 1898. *Paratypes* (3): SU 62 exactly as for holotype, except that the the bottle says that these were collected dan and Snyder.

CHIROSTOMA JORDANI Woolman 1894, Bull. U. Comm., vol. 14 for 1894, p. 62.

Syntypes: (4): SU 788; City of México, Collector: Albert J. Woolman; summer of 18

CHIROSTOMA LERMAE Jordan and Snyder 190 U.S. Fish Comm., vol. 19 for 1899, fig. 19.

Holotype: SU 6159; from the market of jara, Jalisco, México—said to have come Laguna de Chapala. Collector: John O. December 23, 1898. *Paratypes* (3): SU 62 exactly as for holotype, except that the the bottle states that these specimens w lected by Jordan and Snyder.

CHIROSTOMA OCOTLANE Jordan and Snyder 19 U.S. Fish Comm., vol. 19 for 1899, fig. 18.

Holotype: SU 6160; Lago de Chapala, Jalisco, México. Collector: John O. Sny cember 26, 1898. *Paratypes* (7): SU 6202 of Guadalajara, Jalisco, México. Col David Starr Jordan and John O. Snyder; w 1898-1899.

CHIROSTOMA PROMELAS Jordan and Snyder 19 U.S. Fish Comm., vol. 19 for 1899, fig. 14.

Holotype: SU 6156 (6161 in the descrip number of the paratype); from the market alajara, Jalisco, México—said to have c the Laguna de Chapala. Collector: John O December 23, 1898. *Paratype* (1): SU 61 as for the holotype, except that the Sta gister gives the date as December 26, 18

ESLOPSARUM ARGE Jordan and Snyder 1901, B Fish Comm., vol. 19 for 1899, p. 133.

Holotype: SU 6154; Río Verde near Agua tes, México. Collector: John O. Snyder 9, 1899. *Paratypes* (10): SU 6211; data e for holotype.

ISO FLOS-INDICUS Herre 1944, Proc. Bi Washington, vol. 57, p. 46.

Holotype: SU 38837; in the surf on the Vizagapatam, India. Collector: Albert Herre; December 20, 1940. *Paratypes* 38839; data exactly as for holotype. (2): SU 38838; from the surf in a rock Konival, 10 miles south of Trivandrum, T India. Collector: Albert W. C. T. Herre 19, 1941.

...A S Jordan and Starks 1901, Proc. U.S. ..., vol. 24, no. 1250, p. 205, fig. 4.

...SU 6527; Hada, Izu, Japan. Collec- ...d tarr Jordan and John O. Snyder; sum- ...X. *Paratypes* (15): SU 6713; Enoshima, ...llectors and date as above. *Paratypes* ...5; Yogashima, Japan. Collector: Alan ...*ratypes* (2): SU 7142; Hashigo, Japan. ... t Jordan and Snyder by Dr. Ishikawa.

...*AMERI* Jordan and Evermann 1896, Bull. ... N. Mus. No. 47, part 1, p. 802.

...2): SU 27; Ballenas Bay, near Cape Ab- ...a California, México. Collector: ...lbert on the "Albatross".

...*BOEKEI* Metzelaar 1919, Over Tropisch ...sche Visschen, part 1, p. 38, fig. 14.

... 1): SU 23304; the oysterpond of St. ... Indies. Collector: J. Boeke; 1904-

...*A XABIA* Herre 1935, Field Mus. Nat. ... Publ. 335, zool. ser., vol. 18, no. ... 397.

...(4): SU 24458; Nyaurangai, Sepik River, ... 185 miles from the sea. Collector: ... T. Herre; May 22, 1929. *Paratypes* ...455; Koragu, Sepik River, New Guinea, ...om the sea. Collector: Albert W. C. T. ...23, 1929.
... Chicago Nat. Hist. Mus. 17230.

...*A ROSACEA* Herre 1935, Field Mus. Nat. ... Publ. 335, zool. ser., vol. 18, no. 398.

... (16): SU 24459; Koragu on the Sepik ...Guinea, 185 miles from the Sea. Col- ...ert W. C. T. Herre; May 23, 1929. *Para-* ...SU 24456; Nyaurangai, Sepik River, New ... miles from the sea. Collector: Albert ...rre; May 22, 1929.
... Chicago Nat. Hist. Mus. 17245.

...*LBERTI* Jordan and Bollman 1890, Proc. ... at. Mus., vol. 12, no. 770, p. 155.

... (13): SU 111; Panamá. Collector: "Al- ...
... U.S. Nat. Mus. 41165.

...*HEPENTHE* Myers and Wade 1942, Allan Han- ...Pacific Expeditions, vol. 9, no. 5, p. ... pl. 19.

...: SU 37060; off Arroyo de San Luis, Baja ..., México (23° 10' 30" North Latitude, ... 5" West Longitude). Collector: Rolf L. ...the "N. B. Scofield"; March 7, 1939. ...(7): SU 37061; data exactly as for holo-type. *Paratypes* (3): SU 37062; Santa Cruz Bay, Oaxaca, México (15° 45' North Latitude, 96° 07' 20" West Longitude). Collector as above; March 14, 1939. *Paratype* (1): SU 37063; off Fortuna Ranch, Baja California, México (23° 08' North Latitude, 109° 30' West Longitude). Collector as above; March 5, 1939.

NECTARGES NESIOTES Myers and Wade 1942, Allan Hancock Pacific Expeditions, vol. 9, no. 5, p. 128, pl. 18.

Paratypes (2): SU 37058; Academy Bay, Indefatigable Island, Galápagos (Station 809-38). Collector: George S. Myers on the "Velero III": January 25, 1938. *Paratype* (1): SU 37059; Black Beach Anchorage, Charles Island, Galápagos (Station 805-38). Collector as above; January 23, 1938.
Holotype: Allan Hancock Foundation 17.

NECTARGES NOCTURNUS Myers and Wade 1942, Allan Hancock Pacific Expeditions, vol. 9, no. 5, p. 133.

Paratypes (2): SU 37064; Guayaquil, Ecuador (probably collected by fishermen off the Guayas Estuary). Collector: Waldo L. Schmitt; 1926. Removed from U.S. Nat. Mus. 88712.
Holotype: U.S. Nat. Mus. 88712.

PISCIREGIA BEARDSLEEI Abbott 1899, Proc. Acad. Nat. Sci. Philadelphia, p. 342.

Holotype: SU 11961; Bay of Callao, Perú. Collector: Admiral Lester A. Beardslee; January, 1896.

RHOMBOSOMA SEPIKENSIS Herre 1935, Field Mus. Nat. Hist., Publ. 335, zool. ser., vol. 18, no. 12, p. 400.

Paratypes (8): SU 24454; a brook tributary to the Sepik River at Marienberg, New Guinea, 40 miles from the sea. Collector: Albert W. C. T. Herre; May 10, 1929.
Holotype: Chicago Nat. Hist. Mus. 17265.

THYRINA CRYSTALLINA Jordan and Culver, in: Jordan 1895, Proc. California Acad. Sci., ser. 2, vol. 5, p. 420.

Syntypes (26): SU 2685; lower Río Presidio in fresh water, Sinaloa, México. Collectors: David Starr Jordan and party on the Hopkins Expedition; December 24, 1894-January 25, 1895.

THYRINA EVERMANNI Jordan and Culver, in: Jordan 1895, Proc. California Acad. Sci., ser. 2, vol. 5, p. 419, pl. 33.

Syntypes (11): SU 2688; estuary at Mazatlán, Sinaloa, México. Collectors: David Starr Jordan and party on the Hopkins Expedition; December 24, 1894-January 25, 1895.

XENATHERINA SCHULTZI Alvarez y Carranza 1951, Ciencia, p. 286, fig. 3.

Paratypes (5): SU 17488; Santa María Chimalapa, Arroyo el Zacatal, Oaxaca, México. Collector: J. Carranza; May 15, 1950.
Holotype: place of deposition unknown.

Order PHALLOSTETHOIDEA

Family PHALLOSTETHIDAE

GULAPHALLUS EXIMIUS Herre 1925, Philippine Journ. Sci., vol. 27, no. 4, p. 509, pl. 1; pl. 2, figs. 1 and 2.

Lecto-holotype: SU 24474; in a creek at Santa Fe, Nueva Vizcaya Province, Luzón, Philippine Islands. Collector: Richard C. McGregor; May 18, 1924. Dr. Herre did not designate a type specimen in his original description, so all specimens were, until now, syntypes. While the bulk of Herre's specimens were deposited in the collections of the Philippine Bureau of Science, those collections were destroyed during the last war and the four specimens at Stanford are all that remain (to my knowledge, at least). A 33.5-mm. male specimen is here designated lectotype of the species, the other three specimens being transferred to a new number, as follows. *Lecto-paratypes* (3): SU 18149; data exactly as for lecto-holotype.

MIROPHALLUS BIKOLANUS Herre 1926, Philippine Journ. Sci., vol. 31, no. 4, p. 540.

Lecto-holotype: SU 24475; Lake Bató, Camarines Sur Province, Luzón, Philippine Islands. Collector: G. A. Lopez; January 30, 1926. Dr. Herre did not designate a type specimen in his original description, so all specimens were, until now, syntypes. While the bulk of Herre's specimens were deposited in the collections of the Philippine Bureau of Science, those collections were destroyed during the last war and the three specimens at Stanford are all that remain (to my knowledge, at least). A 19.5-mm. male specimen is here designated lectotype of the species, the other two specimens being transferred to a new number, as follows. *Lecto-paratypes* (2): SU 18148; data exactly as for lecto-holotype.

NEOSTETHUS BORNEENSIS Herre 1940, Bull. Raffles Mus., no. 16, p. 14, pls. 10 and 11.

Holotype: SU 33018; Kabili River, British North Borneo. Collector: Albert W. C. T. Herre; January 30, 1937. *Paratypes* (51): SU 33019; data exactly as for holotype. *Paratypes* (133): SU 33022; data exactly as for holotype. *Paratypes* (9): SU 33020; Segaliud River, British North Borneo. Collector: Albert W. C. T. Herre; February 4, 1937. *Paratypes* (7): Sandakan, British North Borneo. Collector: as for the preceding. In glycerine.

NEOSTETHUS (SANDAKANUS) CORONENSIS Herre 1942, Stanford Ichthyological Bull., vol. p. 152.

Holotype: SU 36542; from a mangrove from the mouth of a tributary rill, near at Coron, Busuanga, Philippine Islands. tor: Albert W. C. T. Herre; June 28, 194 *types* (108): SU 36543; data as for the a

NEOSTETHUS (SANDAKANUS) PANAYENSIS Her Stanford Ichthyological Bull., vol. p. 153.

Holotype: SU 36539; nipa swamp near Cápi Philippine Islands. Collector: Albert Herre; August 3, 1940. *Paratypes* (22): data exactly as for holotype. *Paratypes* 36541; salt-water tidal brook which at was merely a series of stagnant pools a palms at Estancia, Panay, Philippine Collector: Albert W. C. T. Herre; July 27

NEOSTETHUS (SANDAKANUS) ZAMBOANGAE Her Stanford Ichthyological Bull., vol. p. 153.

Holotype: SU 36544; salt-water puddl the bases of nipa palms, near the fisher at Zamboanga, Mindanao, Philippine Islan lector: Albert W. C. T. Herre; September *Paratypes* (224): SU 36545; data exact holotype.

NEOSTETHUS VILLADOLIDI Herre 1942, Stan thyological Bull., vol. 2, no. 5, p.

Holotype: SU 36537; mangrove swamp b Fishery Experiment Station at Cagayán de Oriental Misamis Province, Mindanao, P Islands. Collector: Albert W. C. T. Her 20, 1940. (Mistakenly numbered 23637 in inal description.) *Paratypes* (59): SU 3 exactly as for holotype.

PHENACOSTETHUS SMITHI Myers 1928, Amer Novitates, no. 295, p. 6, figs. 1 a

Paratypes (10): SU 26520; canals in t Bangkok, Siam. Collector: Hugh M. Smit ber, 1926.
Holotype: American Mus. Nat. Hist. 924

Order RHEGNOPTERI

Family POLYNEMIDAE

POLYDACTYLUS AGONASI Jordan and McGr Proc. U.S. Nat. Mus., vol. 30, no 814, fig.

Paratypes (2): SU 9879; Tokyo, Japan. Keinosuki Otaki (the Stanford register kichi Kishinouye).
Holotype: U.S. Nat. Mus. 55600.

ZOPHONUS Jordan and McGregor, in: and Seale 1907, Bull. U.S. Bureau vol. 26 for 1906, p. 11, fig. 4.

): SU 20111; Cavite, Luzón, Philip- Collector: George A. Lung; summer *Paratype* (1): SU 20113; data exactly as ding.
.S. Nat. Mus. 55598.

Order PERCOMORPHI

Family CENTROPOMIDAE

A Jordan and Seale 1906, Bull. U.S. ish., vol. 25 for 1905, p. 253, fig.

23): SU 8679; Gasegase River at Vai- ia, Samoa. Collectors: David Starr arty; summer of 1902. *Paratypes* (2): a, Samoa. Collectors and date as for .
.S. Nat. Mus. 51818.

WASENSIS Jordan and Seale 1906, Bull. reau Fish., vol. 25 for 1905, p. 254,

(18): SU 8682; Apia, Samoa. Collect- tarr Jordan and party; summer of 1902. U.S. Nat. Mus. 51819.

CONSTANTINUS Jordan and Starks, in: and Evermann 1896, Bull. U.S. Nat. o. 47, part 1, p. 1125.

SU 1633; Bahia, Bahia, Brazil. Col- batross".

GI Jordan and Seale 1907, Bull. U.S. Fish., vol. 26 for 1906, p. 18, fig. 6.

(1): SU 9242; Cavite, Philippine Is- ector: George A. Lung; summer of 1900. U.S. Nat. Mus. 53060.

Family SERRANIDAE

PICIPINNIS Jenkins 1901, Bull. U.S. Fish vol. 19 for 1899, p. 389, fig. 3.

(2): SU 6113; Honolulu, Hawaiian Is- lector: Thomas D. Wood; 1898. U.S. Nat. Mus. 49695.

LOGGI Jordan and Evermann 1903, Bull. ish Comm., vol. 22 for 1902, p. 179.

(1): SU 7460; off Kailua, Hawaiian Is- lectors: David Starr Jordan and Barton W. Evermann; 1901.
Holotype: U.S. Nat. Mus. 50642.

CHORISTISTIUM SUSUMI Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 256, fig. 48.

Paratype (1): SU 8671; reef at Apia, Samoa. Collectors: David Starr Jordan and party; summer of 1902.
Holotype: U.S. Nat. Mus. 51738.

DAMPIERIA ATROFASCIATUS Herre 1933, Copeia, no. 1, p. 17.

Holotype: SU 25518; Culión, Philippine Islands. Collector: Albert W. C. T. Herre; April, 1931.

DIPLECTRUM EURYPLECTRUM Jordan and Bollman 1890, Proc. U.S. Nat. Mus., vol. 12, no. 770, p. 157.

Paratypes (6): SU 1172; Station 2805, off Panamá (7° 56' North Latitude, 79° 41' 30" West Longitude); 51.5 fathoms. Collector: "Albatross"; March 30, 1888. *Paratypes* (7): SU 1458; Station unknown, off Panamá. Collector: "Albatross".
Holotype: U.S. Nat. Mus. 41141.

DIPLECTRUM SCIURUS Gilbert 1892, Proc. U.S. Nat. Mus., vol. 14, no. 880, p. 550.

Syntypes (14): SU 216; Station 3014, in shallow water in the Gulf of California (28° 28' North Latitude, 112° 04' 30" West Longitude); 29 fathoms. Collector: "Albatross"; March 23, 1889.

ENTONANTHIAS PASCALUS Jordan and Tanaka 1927, Ann. Carnegie Mus., vol. 17, nos. 3-4, p. 385, pl. 34, fig. 2.

Paratype (1): SU 23680; market of Naha, Okinawa, Riukiu Group. Collector: Shigeho Tanaka.
Holotype: Carnegie Mus. 8327a—now in the Chicago Nat. Hist. Mus.

EPINEPHELUS CRASPEDURUS Jordan and Richardson 1910, Proc. U.S. Nat. Mus., vol. 37, no. 1714, p. 447, fig. 7.

Paratypes (2): SU 21180; Kagoshima, Japan. Collectors: John O. Snyder and Michitaro Sindo (according to the Stanford register), or John O. Snyder (according to the description).
Holotype: U.S. Nat. Mus. 64154.

EPINEPHELUS JORDANI Jenkins and Evermann 1889, Proc. U.S. Nat. Mus., vol. 11, no. 698, p. 140.

Paratype (1): SU 416; bay at Guaymas, Sonora, México. Collectors: Oliver P. Jenkins and Barton W. Evermann; July 1887.
Holotype: U.S. Nat. Mus. 39628.

MALAKICHTHYS WAKIYAE Jordan and Hubbs 1925, Mem. Carnegie Mus., vol. 10, no. 2, p. 233, pl. 10, fig. 2.

Paratypes (4): SU 23815; Kagoshima Bay, Japan. Collector: Yojiro Wakiya; 1922.
Holotype: Carnegie Mus. 7863—now at the Chicago Nat. Hist. Mus.

MYCTEROPERCA BOULENGERI Jordan and Starks, in: Jordan 1895, Proc. California Acad. Sci., ser. 2, vol. 5, p. 445, pl. 38.

Syntypes (3): SU 1621; astillero at Mazatlán, Sinaloa, México. Collectors: David Starr Jordan and party on the Hopkins Expedition; December 24, 1894-January 25, 1895.

MYCTEROPERCA HOPKINSI Jordan and Rutter 1897, Proc. Acad. Nat. Sci. Philadelphia, p. 105.

Holotype: SU 5073; region of Kingston, Jamaica. Collector: Joseph S. Roberts; about 1896.

OSTRACOBERYX DORYGENYS Fowler 1934, Proc. Acad. Nat. Sci. Philadelphia, vol. 85, p. 353, fig. 105.

Paratypes (3): SU 40193; Station 5292, China Sea, in the vicinity of southern Luzón, 3.25 miles off Escarceo Light, Philippine Islands (13° 28' 45" North Latitude, 121° 01' 12" East Longitude); 162 fathoms. Collector: "Albatross"; July 23, 1908. These specimens are from U.S. Nat. Mus. 93381.
Holotype: U.S. Nat. Mus. 93143.

PIKEA AURORA Jordan and Evermann 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 178.

Paratypes (2): SU 7484; Honolulu, Hawaiian Islands (the Stanford register gives Kailua, Hawaiian Islands). Collectors: David Starr Jordan and Barton W. Evermann; 1901. *Paratypes* (4): SU 6074; Honolulu, Hawaiian Islands. Collector: Dr. Thomas D. Wood; 1898.
Holotype: U. S. Nat. Mus. 50675.

PRIONODES BALDWINI Evermann and Marsh 1899, Rept. Comm. Fish and Fish., part 25 for the year ending June 30, 1899, p. 353.

Paratypes (2): SU 8612; Station 6086, Puerto Rico (between Vieques and Culebra Islands). Collector: "Fish Hawk"; February 8, 1899.
Holotype: U.S. Nat. Mus. 49361.

PRONOTOGRAMMUS EOS Gilbert 1890, Proc. U.S. Nat. Mus., vol. 13, no. 797, p. 62.

Syntypes (2): SU 229; Station 2996, Gulf of California (24° 30' 15" North Latitude, 110° 29" West Longitude); 112 fathoms. Collector: "Albatross"; March 16, 1889.

PSEUDANTHIAS AZUMANUS Jordan and Richar
Proc. U.S. Nat. Mus., vol. 37, no
470.

Syntypes ? (5): SU 8355; Stations 3
Sagami Bay, Japan. Collector: "Albatr
1900. Either these 5 specimens are s
not types at all. They may not be type
4 specimens were mentioned in the ori
cription, and the above number does
type reference in the Stanford register.

PSEUDOCHROMIS COLEI Herre 1933, Cope
p. 18.

Holotype: SU 30974; Culion, Philippin
Collector: Albert W. C. T. Herre; April

PSEUDOCHROMIS FOWLERI Herre 1934, The
the Herre Philippine Expedition
Newspaper Enterprise Ltd., Hong
45.

Holotype: SU 28510; tide pool near
Oriental Negros, Philippine Islands.
Albert W. C. T. Herre; June 22, 1931.

PSEUDOCHROMIS SIMILIMUS Herre 1933, Cope
p. 19.

Holotype: SU 25517; Culión, Philippin
Collector: Albert W. C. T. Herre; April,

PSEUDOCHROMIS SWAINI Herre 1934, The Fis
Herre Philippine Expedition of 1
paper Enterprise Ltd., Hong Kong.

Holotype: SU 26772; on a reef in Culi
Culión Island, Philippine Islands.
Albert W. C. T. Herre; May 3, 1931.

RHEGMA THAUMASIUM Gilbert, in: Jordan a
1900, Bull. U.S. Nat. Mus. No. 4
p. 3170.

Holotype: SU 5978; Panamá. Collector
H. Gilbert et al; January 10-Febuary 24,

SAYONARA SATSUMAE Jordan and Seale 1906
Nat. Mus., vol. 30, no. 1445, p. 1

Holotype: SU 9259; Yamagawa, province
near Kagoshima, Japan. Collector: Kaki
kuri.

Family KUHLIIDAE

KUHLIA BILUNULATA Herre 1935, Field
Hist., Zool. Ser., vol. 18, no. 12

Paratypes (12): SU 24427; small riv
into Suva Harbor, Viti Levu Island, Fi

...bert W. C. T. Herre; March 13, 1929.
...: hicago Nat. Hist. Mus. 17313.

Family CENTRARCHIDAE

...*NI* Forbes 1885, Bull. Illinois State ... Hist., vol. 2, p. 135.

...): SU 2414; Little Fox River at Phil... County, Illinois. Collector: Sam... October 5, 1882.

...*TRICUS* Forbes, in: Jordan and Gilbert ...ll. U.S. Nat. Mus. No. 16, p. 473.

...3): SU 1276; Illinois River, Illinois. ...: tephen A. Forbes.

Family PRIACANTHIDAE

...3 *ALALAUA* Jordan and Evermann 1903, ...U.S. Fish Comm., vol. 22 for 1902, p. ...

...(1): SU 7461; Honolulu, Hawaiian Is... Collectors: David Starr Jordan and Barton ...; 1901.
... U.S. Nat. Mus. 50643.

...ly APOGONIDAE (CHEILODIPTERIDAE)

...*NSIS* Jordan and Seale 1907, Bull. U.S. ... Fish., vol. 26 for 1906, p. 16, fig. 5.

...: SU 9241; Cavite, Philippine Islands. ... George A. Lung; summer of 1900.

...*SSA* Jordan and Seale 1906, Bull. U.S. ...u Fish., vol. 25 for 1905, p. 245, fig. ...

... (1): SU 8684; Apia, Samoa. Collectors: ... Jordan and party; summer of 1902.
...: U.S. Nat. Mus. 51812.

...*ABETHAE* Jordan and Seale 1905, Proc. ...vport Acad. Sci., vol. 10, p. 9, pl. 4.

...e: SU 9064; market of Hong Kong, China. ...: William Finch; summer of 1900.

...*CTIGMA* Jordan and Starks, in: Jordan and ...e 1906, Bull. U.S. Bureau Fish., vol. 25 ...1905, p. 238, fig. 31.

...pes (3): SU 8688; Apia and Pago Pago ... Samoa. Collectors: David Starr Jordan ...; summer of 1902.
...e: U.S. Nat. Mus. 51732.

ANIA GILBERTI Jordan and Seale 1905, Proc. U.S. Nat. Mus., vol. 28, no. 1407, p. 777, fig. 3.

Paratype (1): SU 9135; Southern Negros, Philippine Islands. Collector: Bashford Dean; winter of 1900-1901.
Holotype: U.S. Nat. Mus. 51941.

APOGON ABO Herre 1935, Field Mus. Nat. Hist., zool. ser., vol. 18, no. 12, p. 402.

Paratypes (5): SU 24460; Marienberg, on the Sepik River, New Guinea. Collector: Albert W. C. T. Herre on the Crane Pacific Expedition; May 10 and 27, 1929 (these are mixed in one bottle).
Holotype: Chicago Nat. Hist. Mus. 17307.

APOGON ATRADORSATUS Heller and Snodgrass 1903, Proc. Washington Acad. Sci., vol. 5, p. 192, pl. 3.

Holotype: SU 6357; Charles Island, Galápagos. Collectors: Robert E. Snodgrass and Edmund Heller; 1898-1899. *Paratypes* (28): SU 6405; data exactly as for holotype. *Paratypes* (12): SU 6423; Cocos Island, Costa Rica. Collectors and date as above.

APOGON ATRICAUDUS Jordan and McGregor, in: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 3, p. 2853.

Syntypes (12): SU 5708; Socorro Island, México. Collector: Richard C. McGregor on the Schooner "H. C. Wahlberg"; May, 1897.

APOGON BRASILIANUS Gilbert 1900, Proc. Washington Acad. Sci., vol. 2, p. 168, pl. 9, fig. 3.

Holotype: SU 6309; stone reef at Mamanguape, Brazil. Collector: Arthur W. Greeley; June 23, 1899. *Paratype* (1): SU 6310; data exactly as for holotype.

APOGON DOEDERLEINI Jordan and Snyder 1901, Proc. U.S. Nat. Mus., vol. 23, no. 1240, p. 901, fig. 6.

Holotype: SU 6513; Nagasaki, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (2): SU 6738; data exactly as for holotype.

APOGON ERYTHRINUS Snyder 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 526, pl. 9, fig. 17.

Paratype (1): SU 7733; Honolulu, Hawaiian Islands. Collector: "Albatross", under the direction of David Starr Jordan and Barton W. Evermann; 1902. *Paratypes* (2): SU 7734; Hanalei Bay, Hawaiian Islands. Collector: "Albatross".
Holotype: U.S. Nat. Mus. 50876.

APOGON KIENSIS Jordan and Snyder 1901, Proc. U.S. Nat. Mus., vol. 23, no. 1240, p. 905, fig. 9.

Holotype: SU 6514; Wakanoura, Kii Province, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (21): SU 6739; data exactly as for holotype.

APOGON MENESEMUS Jenkins 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 448, fig. 19.

Paratypes (5): SU 7831; Honolulu, Hawaiian Islands. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (6): SU 23299; Honolulu, Hawaiian Islands. Collector: Oliver P. Jenkins; 1889.
Holotype: U.S. Nat. Mus. 50700.

APOGON SNYDERI Jordan and Evermann 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 180.

Paratypes (3): SU 7459; Honolulu, Hawaiian Islands. Collectors: David Starr Jordan and Barton W. Evermann; 1901. *Paratypes* (7): SU 3333; Honolulu, Hawaiian Islands. Collector: Oliver P. Jenkins; 1889. *Paratypes* (3): SU 7154; Honolulu, Hawaiian Islands. Collectors: David Starr Jordan and Barton W. Evermann; 1900.
Holotype: U.S. Nat. Mus. 50640.

APOGONICHTHYS ISOSTIGMA Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 251, fig. 45.

Paratypes (3): SU 8687; Pago Pago, Samoa (the description states that the specimens came from Apia, so one or the other is in error). Collectors: David Starr Jordan and party; summer of 1902.
Holotype: U.S. Nat. Mus. 51736.

APOGONICHTHYS LANDONI Herre 1934, The Fishes of the Herre Philippine Expedition of 1931, Newspaper Enterprise Ltd., Hong Kong, p. 40.

Holotype: SU 29083; reef in Cebú Harbor, Philippine Islands. Collector: Albert W. C. T. Herre; August, 1931.

APOGONICHTHYS MENTALIS Evermann and Seale 1907, Bull. U.S. Bureau Fish., vol. 26 for 1906, p. 74, fig. 10.

Paratype (1): SU 20002; Bacón, Sorsogón, Philippine Islands. Collector: Charles J. Pierson.
Holotype: U.S. Nat. Mus. 55905.

GALEAGRA PAMMELAS Heller and Snodgrass 1903, Proc. Washington Acad. Sci., vol. 5, p. 193, pl. 4.

Holotype: SU 6355; Wenman Island, Galápagos. Collectors: Robert E. Snodgrass and Edmund Heller; December 30, 1898. Taken from the stomach of a *Carcharhinus*.

HENICICHTHYS PHILIPPINUS Herre 1939, Copeia, no. 4, p. 200.

Holotype: SU 34379; tide pool at Nasu[g]gas Province, Luzón, Philippine Islands. [co]r: Albert W. C. T. Herre; December [1]0, 1[9]*atypes* (3): SU 34380; data exactly as type. *Paratypes* (4): SU 34381; tide poo[l] guete, Oriental Negros, Philippine Isla[nds] lector as above; December 26, 1936.

HYNNODUS ATHERINOIDES Gilbert 1905, B[ull.] Fish Comm., vol. 23 for 1903, part [1], pl. 79.

Paratype (1): SU 8660; Station 3867 Channel, between Molokai and Maui Islan[ds] ian Islands (Mokuhooniki Islet, S. 64° 9.1'); 284-290 fathoms. Collector: "Al[batross]" April 10, 1902.
Holotype: U.S. Nat. Mus. 51601.

MELANOSTOMA ARGYREUM Gilbert and Cra[ig] Proc. U.S. Nat. Mus., vol. 19, no. 416, pl. 39, fig. 3.

Paratype (1): SU 4925; Station 3476, Islands (21° 09' North Latitude, 157° Longitude); 298 fathoms. Collector: "Al[batross]" December 6, 1891.
Holotype: U.S. Nat. Mus. 47732.

MIONURUS HERALDI Herre 1943, Copeia, no.

Holotype: SU 38263; taken by a tra[wl] Ragay Gulf, Luzón, Philippine Islands. Albert W. C. T. Herre; June, 1940.

MIONURUS PACIFICUS Herre 1935, Field Hist., zool. ser., vol. 18, no. 12,

Paratypes (2): SU 24421; in a trap at 10 meters or more at Tagus Cove, Albemar Galápagos Archipelago. Collector: Alber Herre on the Crane Pacific Expedition; 1929.
Holotype: Chicago Nat. Hist. Mus. 1731

TELESCOPIAS GILBERTI Jordan and Snyder 1 U.S. Nat. Mus., vol. 23, no. 124[0] pl. 44.

Holotype: SU 12657; long hand line water between Misaki and the island o Japan. Collector: Kumakichi Aoki (the register gives Jordan and Snyder).

Family PERCIDAE

AMMOCRYPTA CLARA Jordan and Meek 1885, Nat. Mus., vol. 8, no. 470, p. 8.

Syntype (1): SU 1500; Des Moines Rive wa, Iowa. Collectors: David Starr Jord[an] E. Meek; July-September, 1884.
Syntypes: Jordan and Evermann 1896,

47, part 1, p. 1063, list U.S. Nat. the "type". While this appears to designation, 4 specimens bear the

...RUM Forbes, in: Jordan 1878, Bull. State Lab. Nat. Hist., vol. 1, no. .

: SU 1683; Illinois. No more exact known.

...HENRYI Evermann and Kendall 1898, S. Fish Comm., vol. 17 for 1897, p. 8, fig. 8.

4): SU 9048 (5774 in the description); Norfolk, New York. Collectors: Bar- and Barton A. Bean; July 18, 1894. .S. Nat. Mus. 48781.

...OTHOECA) BLENNIUS Gilbert and Swain, ert 1887, Proc. U.S. Nat. Mus., vol. 607, p. 55.

.: SU 1955; Shoal Creek tributary to River near Florence, Alabama. Col- les H. Gilbert and Joseph Swain; sum-

.S. Nat. Mus. 36187.

...RAGINI Gilbert 1885, Bull. Washburn Lab. Nat. Hist., vol. 1, no. 3, p. 99.

non-types (10—mixed): SU 2141 (in- 694); small brook leading from the e Arkansas River at Garden City, Kan- ed by Francis W. Cragin (types); Canon do—collected by David Starr Jordan .

Jordan and Evermann 1896, Bull. U.S. . 47, part 1, p. 1092, list U.S. Nat. r the "type". While this appears to pe designation, 3 specimens bear the

...ADROPTERUS) CYMATOTAENIA Gilbert and n: Gilbert 1887, Proc. U.S. Nat. Mus.,), no. 607, p. 51.

41: SU 2603; Sac River, near Green- ouri. Collectors: Charles H. Gilbert Meek; summer of 1884. *Syntypes* and —mixed): SU 3949; Niangua River near Missouri (types); Kentucky—collected W. Woolman ? (non-types).

...(ULOCENTRA) RISTRIO Jordan and Gilbert, ilbert 1887, Proc. U.S. Nat. Mus., vol. . 607, p. 47.

: SU 569; Washita River at Arkadel- nsas. Collectors: David Starr Jordan s H. Gilbert; summer of 1884. *Syntypes* 82; Poteau River near Hackett City (the egister gives the Poteau River near Ft. Smith), Arkansas. Collectors and date as for the preceding.

ETHEOSTOMA IOWAE Jordan and Meek 1885, Proc. U.S. Nat. Mus., vol. 8, no. 470, p. 10.

Syntypes (2): SU 1457; Chariton River at Chariton, Iowa. Collectors: David Starr Jordan and Seth E. Meek; July-September, 1884.

ETHEOSTOMA JULIAE Meek 1891, Bull. U.S. Fish Comm., vol. 9 for 1889, p. 130, pl. 42, fig. 2.

Syntype (1): SU 1010; James River near Springfield, Missouri. Collectors: Seth E. Meek, Louis Rettger, and Frank M. Drew; July 31, 1886.

ETHEOSTOMA (ETHEOSTOMA) LUTEOVINCTUM Gilbert and Swain, in: Gilbert 1887, Proc. U.S. Nat. Mus., vol. 10, no. 607, p. 58.

**Paratypes* (2): SU 3945; quiet, gravelly spot in Stone River near Nashville, Tennessee. Collectors: Charles H. Gilbert and Joseph Swain; summer of 1884.

Holotype: U.S. Nat. Mus. 36139.

ETHEOSTOMA (HADROPTERUS) NIANGUAE Gilbert and Meek, in: Gilbert 1887, Proc. U.S. Nat. Mus., vol. 10, no. 607, p. 52.

Paratype (1): SU 5299; headwaters of the Niangua River near Marshfield, Missouri. Collectors: Charles H. Gilbert and Seth E. Meek; summer of 1884. Actually, the single paratype is supposed to be in the museum of the University of Cincinnati according to the original description, but this Stanford specimen bears the proper data and the word "type".

Holotype: U.S. Nat. Mus. 36214.

ETHEOSTOMA NIANGUAE SPILOTUM Gilbert 1887, Proc. U.S. Nat. Mus., vol. 10, no. 607, p. 53.

Paratypes (9): SU 4036; Sturgeon Creek, a tributary of the Kentucky River, near Traveler's Rest, Owsley County, Kentucky. Collector: Charles H. Gilbert; summer of 1884.

Holotype: U.S. Nat. Mus. 38319.

ETHEOSTOMA OBEYENSE Kirsch 1892, Bull. U.S. Fish Comm., vol. 10 for 1890, p. 292, fig.

**Lecto-paratypes* (38): SU 1918; Spring Creek, a tributary of the Cumberland River in Clinton County, Kentucky. Collector: Philip H. Kirsch; autumn of 1889 or spring of 1890.

Lecto-holotype: U.S. Nat. Mus. 45565. While no type was selected in the original description, Jordan and Evermann 1896, Bull. U.S. Nat. Mus. No. 47, part 1, p. 1092, give the above U.S. Nat. Mus. number for the "type"—this amounting to a lectotype designation.

ETHEOSTOMA (HADROPTERUS) OUACHITAE Jordan and

Gilbert, in: Gilbert 1887, Proc. U.S. Nat. Mus., vol. 10, no. 607, p. 49.

Paratypes (3): SU 552; Washita River at Arkadelphia, Arkansas. Collectors: David Starr Jordan and Charles H. Gilbert; summer of 1884. The description lists as a locality only "Saline River at Benton, Ark." so the above specimens may not be paratypes at all; however, they were collected on the same expedition and were on hand at the time the description was written.
Holotype: U.S. Nat. Mus. 36449.

ETHEOSTOMA PODOSTEMONE Jordan and Jenkins, in: Jordan 1889, Proc. U.S. Nat. Mus., vol. 11, no. 723, p. 359.

**Paratypes* (8): SU 622; Roanoke River at Roanoke, Virginia. Collectors: David Starr Jordan and party; summer of 1888.
Holotype: U.S. Nat. Mus. 39863.

ETHEOSTOMA ROANOKA Jordan and Jenkins, in: Jordan 1889, Proc. U.S. Nat. Mus., vol. 11, no. 723, p. 358.

Paratypes (10): SU 616; Roanoke River at Roanoke, Virginia. Collectors: David Starr Jordan and party; summer of 1888. *Paratype* (1): SU 17777; Neuse River at Millburnie, near Raleigh, North Carolina. Collectors and date as for the preceding.
Holotype: U.S. Nat. Mus. 39866.

ETHEOSTOMA SWANNANOA Jordan and Evermann, in: Jordan 1889, Proc. U.S. Nat. Mus., vol. 11, no. 723, p. 360.

Paratype (1): SU 3507; South Fork of the Swannanoa River, at Black Mountain, North Carolina. Collectors: David Starr Jordan and party; summer of 1888. *Paratypes* (2): SU 992; from the South Fork of the Holston River at Holstein Mills, Virginia. Collectors and date as for the preceding.
Holotype: U.S. Nat. Mus. 39861.

ETHEOSTOMA (ETHEOSTOMA) TUSCUMBIA Gilbert and Swain, in: Gilbert 1887, Proc. U.S. Nat. Mus., vol. 10, no. 607, p. 63.

**Paratypes* (30): SU 1003; stream flowing from the large spring at Tuscumbia, Alabama. Collectors: Charles H. Gilbert and Joseph Swain; summer of 1884. *Paratypes* (2): SU 2683; Florence, Alabama; collectors and date as for the preceding.
Holotype: U.S. Nat. Mus. 36154.

ETHEOSTOMA WHIPPLEI ALABAMAE Gilbert and Swain, in: Gilbert 1887, Proc. U.S. Nat. Mus., vol. 10, no. 607, p. 62.

Syntypes (2): SU 2318; North River near Tuscaloosa, Alabama. Collectors: Charles H. Gilbert and Joseph Swain; summer of 1884.

HADROPTERUS SCIERUS SERRULA Jordan and Gilbert 1886, Proc. U.S. Nat. Mus., vol. [illegible], p. 16.

Paratypes (2): SU 3934; Rio Lampasas some 5 miles south of Belton, Texas. [illegible] David Starr Jordan and Charles H. Gilbert by Joseph Swain and Seth E. Meek; July 1884.
Holotype: U.S. Nat. Mus. 36481.

NANOSTOMA ELEGANS Hay 1881, Proc. U.S. [illegible] vol. 3, no. 179, p. 493.

Paratype (1): SU 627; a shallow, [illegible] sandy branch of the Chickasawha River prise, Mississippi. Collector: Oliv[illegible] latter part of March-early part of Apri
Holotype: U.S. Nat. Mus. 27445.

NOTHONOTUS THALASSINUS Jordan and Bra[illegible] Bull. U.S. Nat. Mus. No. 12, p. 13.

Lecto-paratypes (7): SU 987; Saluda Farr's Mills, west of Greenville (Sant South Carolina. Collectors: David St[illegible] and Alembert W. Brayton; summer of 1877
Lecto-holotype: U.S. Nat. Mus. 31122. type was selected in the original de[illegible] Jordan and Evermann 1896, Bull. U.S. Na[illegible] 47, part 1, p. 1072, give the above U.S[illegible] number for the "type"—this amounting [illegible] type designation.

POECILICHTHYS ASPRIGENIS Forbes, in: J[illegible] Bull. Illinois State Lab. Nat. His[illegible] no. 2, p. 41.

Syntypes (2): SU 2201; small creek [illegible] Illinois. Collector: Stephen A. Forbes

POECILICHTHYS BOREALIS Jordan 1884, [illegible] Nat. Mus., vol. 7, no. 451, p.

Syntypes and non-types (3—mixed) Montreal, Canada—collected by T. J. Dor[illegible] Gravenhurst, Canada—collected by Se[illegible] (non-types).
Syntypes: The original description me[illegible] Nat. Mus. 35749, giving the length of [illegible] without specifically mentioning that t[illegible] was for the type, and Jordan and Ever[illegible] Bull. U.S. Nat. Mus. No. 47, part 1, [illegible] refer to this number as "type". While [illegible] appears to be a lectotype designation, [illegible] bear the number.

ULOCENTRA GILBERTI Evermann and Thoburn[illegible] dan and Evermann 1896, Bull. U.S. [illegible] No. 47, part 1, p. 1049.

**Paratypes* (2): SU 1954; Clinch River [illegible] Ford, near Tazewell, Tennessee. Collec[illegible] ton W. Evermann, Josiah T. Scovell, and [illegible] Gurley.
Holotype: U.S. Nat. Mus. 47531.

Family SILLAGINIDAE

...S Jordan and Evermann 1902, Proc. ... Mus., vol. 25, no. 1289, p. 360, ...

... 7135; Keerun, Formosa. Collector: ...

Family CARANGIDAE

...*SINUS* Jordan and Seale 1905, Proc. ... Acad. Sci., vol. 10, p. 7, pl. 3.

...U 9066; market at Hong Kong, China. ... lliam Finch; summer of 1900. *Para*- ...9797; data exactly as for holotype.

...*SANUS* Jordan and Snyder 1908, Mem. ... Mus., vol. 4, no. 2, p. 38, pl. 52.

...): SU 7283; island of Formosa; appar- ...t fish from the port of Keerun (Keel- ...rt at the north end of Formosa. Col- ...da. This is the specimen referred to ...*natus* by Jordan and Evermann 1902, ...at. Mus., vol. 25, no. 1289, p. 338, ...efer to the specimen with "opercular ...; lobes of dorsal and anal very low." ...formerly in the Carnegie Mus.—now at ... Nat. Hist. Mus.

...*SICOLA* Jordan and Starks, in: Jordan ...Proc. California Acad. Sci., ser. 2, ..., p. 430, pl. 34.

... 42): SU 2845 (incorrectly 2645 in the ...; from the surf outside the harbor at ...Sinaloa, México. Collectors: David ...n and party on the Hopkins Expedition; ... 1894-January 25, 1895.

...*IRUS ECTENURUS* Jordan and Osgood, in: ... and Rutter 1897, Proc. Acad. Nat. Sci. ...elphia, p. 101.

... (2): SU 4863; Jamaica, British West ...llector: Joseph S. Roberts; about 1895- ...*types* (4): SU 406; Havana, Cuba. Col- ...vid Starr Jordan.

...*CANONOIDES* Jenkins 1903, Bull. U.S. ... Comm., vol. 22 for 1902, p. 442, pl. 4.

... (2): SU 23291; Honolulu, Hawaiian Is- ...llector: Thomas D. Wood; 1898. ... U.S. Nat. Mus. 50846.

...*S POLYASPIS* Walford and Myers 1944, ..., no. 1, p. 45.

... SU 14375; off Reedsport, Oregon. Col- lector: Vernon E. Brock; summer of 1937. *Paratype* (1): SU 14376; data exactly as for holotype. *Paratype* (1): SU 14378; data exactly as for holotype. *Paratype* (1): SU 14379; Masset Inlet, Queen Charlotte Island, British Columbia. Collector: Cameron; about 1930.

ELERIA PHILIPPINA Jordan and Seale 1905, Proc. U.S. Nat. Mus., vol. 28, no. 1407, p. 774, fig. 1.

Paratypes (2): SU 9131; island of Negros, Philippine Islands. Collector: Bashford Dean; winter of 1900 and 1901.
Holotype: U.S. Nat. Mus. 51945.

HEMICARANX ZELOTES Gilbert, in: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 3, p. 2845.

Holotype: SU 5819; market at Panamá. Collectors: Charles H. Gilbert et al; January 10-February 24, 1896.

HYNNIS HOPKINSI Jordan and Starks, in: Jordan 1895, Proc. California Acad. Sci., ser. 2, vol. 5, p. 435, pl. 35.

Holotype: SU 11563; harbor at Mazatlán, Sinaloa, México. Collectors: David Starr Jordan and party on the Hopkins Expedition; December 24, 1894-January 25, 1895.

LEUCOGLOSSA HERKLOTSI Herre 1932, Hong Kong Naturalist, vol. 3, no. 2, p. 151.

Holotype: SU 27962; market at Hong Kong, China. Collector: Albert W. C. T. Herre; September, 1931.

OLIGOPLITES MUNDUS Jordan and Starks, in: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 3, p. 2844.

Paratypes (3): SU 322; Algodones Lagoon, México. Collector: "Albatross".
Holotype: in the U.S. Nat. Mus.

OLIGOPLITES REFULGENS Jordan and Starks 1904, Mem. California Acad. Sci., vol. 4, p. 73, pl. 11, fig. 19.

Holotype: SU 6799; Panamá market. Collectors: Charles H. Gilbert et al; January 10-February 24, 1896.

TRACHINOTUS CULVERI Jordan and Starks, in: Jordan 1895, Proc. California Acad. Sci., ser. 2, vol. 5, p. 439, pl. 36.

Syntypes (2): SU 2691; market at Mazatlán, Sinaloa, México. Collectors: David Starr Jordan and party; December 24, 1894-January 25, 1895. One of these specimens bears a "drawn" label.

TRACHINOTUS GOODEI Jordan and Evermann 1896, Bull.

U.S. Nat. Mus. No. 47, part 1, p. 943.

Syntypes (2): SU 1455; Key West, Florida. Collector: David Starr Jordan.

TRACHINOTUS PALOMA Jordan and Starks, in: Jordan 1895, Proc. California Acad. Sci., ser. 2, vol. 5, p. 457.

Syntypes (2): SU 2690; surf at Puerto Viejo, just north of Mazatlán, Sinaloa, México. Collectors: David Starr Jordan and party on the Hopkins Expedition; December 24, 1894-January 25, 1895. *Syntypes* (5): SU 213; San Juan Lagoon, México. Collector: Charles H. Gilbert; December 24, 1894-January 25, 1895.

ZALOCYS STILBE Jordan and McGregor, in: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 3, p. 2848.

Holotype: SU 11996; Clarión Island, México. Collector: Richard C. McGregor on the schooner "H. C. Wahlberg"; May, 1897.

Family BRAMIDAE

COLLYBUS DRACHME Snyder 1904, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 525, pl. 9, fig. 16.

Paratypes (4): SU 7737; obtained from the stomach of a *Coryphaena* at Honolulu, Hawaiian Islands. Collectors: David Starr Jordan and Barton W. Evermann on the "Albatross"; spring or summer of 1902.
Holotype: U.S. Nat. Mus. 50875.

Family CORYPHAENIDAE

ECTENIAS BRUNNEUS Jordan and Thompson 1914, Mem. Carnegie Mus., vol. 6, no. 4, p. 241, pl. 27, fig. 3.

Paratype (1): SU 22642; Misaki, Japan. Collector: Kumakichi Aoki, and obtained by David Starr Jordan in 1911.
Holotype: Carnegie Mus. 6453a—now at the Chicago Nat. Hist. Mus.

Family LUTIANIDAE

APHAREUS FLAVIVULTUS Jenkins 1901, Bull. U.S. Fish Comm., vol. 19 for 1899, p. 390, fig. 4.

Paratypes (3): SU 6119; Honolulu, Hawaiian Islands. Collector: Oliver P. Jenkins; 1889.
Holotype: U.S. Nat. Mus. 49691.

BOWERSIA VIOLESCENS Jordan and Evermann 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 183.

Paratype (1): SU 12939; Honolulu, Hawaiian Islands. Collectors: David Starr Jordan W. Evermann; 1901. This specimen was from No. 7473.
Holotype: U.S. Nat. Mus. 50660.

ETELIS EVURUS Jordan and Evermann 1903, Fish Comm., vol. 22 for 1902, p. 15

Paratypes (3): SU 7474; Hilo, Hawaii. Collectors: David Starr Jordan and Barto mann; 1901.
Holotype: U.S. Nat. Mus. 50662.

LUTIANUS LUZONIUS Evermann and Seale 1 U.S. Bureau Fish., vol. 26 for 19 fig. 13.

Paratype (1): SU 20003; Bacón, Sorsogó pine Islands. Collector: Charles J. Pie
Holotype: U.S. Nat. Mus. 55918.

NEOMAENIS JORDANI Gilbert, in: Jordan an 1898, Bull. U.S. Nat. Mus. No. 4 p. 1251.

Holotype: SU 11988; Panamá. Collector H. Gilbert et al; January 10-February *Paratypes* (2): SU 8109; data exactly as type. *Paratype* (1): SU 5522; data exac holotype.

PLATYINIUS AMOENUS Snyder 1911, Proc. Mus., vol. 40, no. 1836, p. 530.

Paratype (1): SU 21420; Naha, Okina Collectors: John O. Snyder and Micnit 1906.
Holotype: U.S. Nat. Mus. 68231.

Family NEMIPTERIDAE

GNATHODENTEX OCULO-MACULATUS Herre 1935 Nat. Hist., zool. ser., vol. 1 p. 407.

Paratypes (2): SU 24438; Tenibuli, Yss Solomon Islands. Collector: Albert W on the Crane Pacific Expedition; April
Holotype: Chicago Nat. Hist. Mus. 173

NEMIPTERUS BATHYBIUS Snyder 1911, Proc Mus., vol. 40, no. 1836, p. 532.

Paratypes (2): SU 22945 (also catalog incorrectly given as 214201 in the de Kagoshima, Japan. Collector: John O. cording to the Stanford register; "Albe cording to the introduction of the pap
Holotype: U.S. Nat. Mus. 68232.

Family LOBOTIDAE

LOBOTES PACIFICUS Gilbert, in: Jordan

11. U.S. Nat. Mus. No. 47, part 3,

U 5883; Panamá. Collectors: Charles al; January 10-February 24, 1896. SU 6999; data exactly as for holo-

Family LEIOGNATHIDAE

'S Jordan and Starks 1917, Ann. Carus., vol. 11, nos. 3 and 4, p. 446,

2): SU 22853; Colombo, Ceylon. Col- Starr Jordan; January, 1914. *Para-* 21652; Agusan River, Mindanao, Phil- s. Collector: Alvin Seale. arnegie Mus. 807a—now at the Chicago s.

X Jordan and Starks, in: Jordan and 1898, Bull. U.S. Nat. Mus. No. 47, p. 1379.

U 2735 (mistakenly 449 in the descrip- leston, South Carolina. Collector: eslie.

STERCORARIUS Evermann and Seale 1907, J.S. Bureau Fish., vol. 26 for 1906, fig. 6.

1): SU 20004; Bulán, Sorsogón, Philip- Collector: Charles J. Pierson. U.S. Nat. Mus. 55906.

Family POMADASYIDAE

STA Starks 1906, Proc. U.S. Nat. Mus., , no. 1468, p. 789, fig. 10.

(2): SU 9588; Callao, Perú. Collec- O. Simons; winter of 1898 and 1899.): SU 6217; Bay of Callao, Perú. Col- miral Lester A. Beardslee; January,

U.S. Nat. Mus. 53467.

PALESCENS Jordan and Starks, in: Jordan Proc. California Acad. Sci., ser. 2, , p. 459, pl. 40.

SU 2963; estuary at Mazatlán, Sinaloa, llectors: David Starr Jordan and party rins Expedition; December 24, 1894-Janu- 5.

S FORBESI Jordan and Starks, in: Gil- 1897, Proc. U.S. Nat. Mus., vol. 19, 115, p. 443.

(1): SU 3086; Albemarle Island, Galápagos Archipelago. Collector: "Albatross". *Holotype*: U.S. Nat. Mus. 47574.

ORTHOPRISTIS REDDINGI Jordan and Richardson, in: Jordan 1895, Proc. California Acad. Sci., ser. 2, vol. 5, p. 509, pl. 41.

Holotype: SU 3458; La Paz Harbor, Baja California, México. Collector: James A. Richardson on the Hopkins Expedition; December, 1894 or January, 1895.

POMADASIS BURRO Starks 1906, Proc. U.S. Nat. Mus., vol. 30, no. 1468, p. 791, pl. 65, fig. 3.

Paratype (1): SU 9591; Guayaquil, Ecuador. Collector: Perry O. Simons; winter of 1898 and 1899. *Holotype*: U.S. Nat. Mus. 53468.

SCOLOPSIS ERIONMA Jordan and Richardson 1909, Mem. Carnegie Mus., vol. 4, no. 4, p. 188, pl. 70.

Syntypes (2): SU 21184; Takao, Formosa. Collector: Hans Sauter; 1906.

SCOLOPSIS LUZONIA Jordan and Seale 1907, Bull. U.S. Bureau Fish., vol. 26 for 1906, p. 22, fig. 8.

Holotype: SU 9243; Cavite, Philippine Islands. Collector: George A. Lung; summer of 1900.

XENOCYS JESSIAE Jordan and Bollman 1890, Proc. U.S. Nat. Mus., vol. 12, no. 770, p. 160.

Paratypes (2): SU 388; Charles Island, Galápagos Archipelago. Collector: "Albatross"; 1887-1888. *Holotype*: U.S. Nat. Mus. 41166.

Family SCIAENIDAE

BAIRDIELLA VERAE-CRUCIS Jordan and Dickerson 1908, Proc. U.S. Nat. Mus., vol. 34, no. 1592, p. 16, fig. 1.

Paratypes (2): SU 20654; in the markets of the City of México, having supposedly been received from Vera Cruz. Collectors: John O. Snyder and David Starr Jordan; winter of 1898-1899. *Holotype*: U.S. Nat. Mus. 61676.

COLLICHTHYS NIVEATUS Jordan and Starks 1906, Proc. U.S. Nat. Mus., vol. 31, no. 1493, p. 519, fig. 2.

Paratypes (16): SU 9997 (mistakenly 9884 in the description); Port Arthur, Manchuria. Collector: James F. Abbott; summer of 1904. *Holotype*: U.S. Nat. Mus. 55632.

CORVULA EURYMESOPS Heller and Snodgrass 1903, Proc. Washington Acad. Sci., vol. 5, p. 195.

**Paratypes* (4): SU 3553; Charles Island, Galápa-

gos Archipelago. Collectors: Robert E. Snodgrass and Edmund Heller; 1898-1899. One of these may be the holotype (a Stanford specimen).

EQUES VIOLA Gilbert, in: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 2, p. 1486.

Holotype: SU 5521; around San José Rock in the Bay of Panamá. Collectors: Charles H. Gilbert et al; January 10-February 24, 1896. *Paratypes* (3): SU 6909; data exactly as for holotype.

LARIMUS ACCLIVIS Jordan and Bristol, in: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 2, p. 1422.

Syntypes (3): SU 45; San Juan Lagoon, Gulf of California. Collector: "Albatross".

LARIMUS EFFULGENS Gilbert, in: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 2, p. 1421.

Holotype: SU 5520; Panamá. Collectors: Charles H. Gilbert et al; January 10-February 24, 1896.

NEBRIS ZESTUS Jordan and Starks, in: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 2, p. 1417.

Syntypes (2): SU 433; Panamá. Collector: Charles H. Gilbert (the Stanford register gives the "Albatross").

NIBEA TAIPINGENSIS Herre 1932, Lingnan Sci. Journ., vol. 11, no. 3, p. 436.

Holotype and 2 *paratypes* (mixed, the largest specimen is the holotype): SU 25723; market at Tai Ping, Kwangtung Province, China. Collector: Albert W. C. T. Herre; September 26, 1931.

ODONTOSCION XANTHOPS Gilbert, in: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 2, p. 1426.

Holotype: SU 5519; Panamá Bay, Panamá. Collectors: Charles H. Gilbert et al; January 10-February 24, 1896.

OPHIOSCION SIMULUS Gilbert, in: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 2, p. 1449.

Holotype: SU 5516; Panamá. Collectors: Charles H. Gilbert et al; January 10-February 24, 1896.

OPHIOSCION STRABO Gilbert 1897, Proc. U.S. Nat. Mus., vol. 19, no. 115, p. 444, pl. 50.

Paratypes (4): SU 436; San Juan Lagoon, Gulf of California south of Guaymas, Sonora, México. Collector: "Albatross".
Holotype: U.S. Nat. Mus. 47742.

OTOLITHES LINI Herre 1935, Lingnan Sci. vol. 14, no. 4, p. 603.

Holotype: SU 13984; Canton, China. Albert W. C. T. Herre; February 28, 193- *type* (1): SU 16703; data exactly as for

PARALONCHURUS GOODEI Gilbert, in: Jordan mann 1898, Bull. U.S. Nat. Mus. No. 2, p. 1480.

Holotype: SU 5517; Panamá markets. Charles H. Gilbert et al; January 10-Feb 1896. *Paratypes* (4): SU 6814; data exact holotype.

POLYCIRRHUS RATHBUNI Jordan and Bollm Proc. U.S. Nat. Mus., vol. 12, no. 162.

Paratype (1): SU 408; Panamá. Collecto tross"; 1887-1888.
Holotype: U.S. Nat. Mus. 41170.

PSEUDOSCIAENA UNDOVITTATA Jordan and Se Proc. Davenport Acad. Sci., vol. 1 pl. 6.

Holotype: SU 9065; market at Hong Kon Collector: William Finch; summer of 1900.

PSEUDOTOLITHUS BRUNNEOLUS Jordan and R 1909, Mem. Carnegie Mus., vol. 4, 191, pl. 71.

Syntype (1): SU 21185; markets at th Takao, Formosa. Collector: Hans Sauter;

SAGENICHTHYS MORDAX Gilbert and Starks California Acad. Sci., vol. 4, p. 16, fig. 32.

Holotype: SU 6809; Panamá. Collector: H. Gilbert et al; January 10-February *Paratypes* (4): SU 6656; data exactly as type.

SCIAENA GILBERTI Abbott 1899, Proc. Acad. Philadelphia, p. 355.

Holotype: SU 11978 (mistakenly 11918 scription); Bay of Callao, Perú. Colle miral Lester A. Beardslee; January, 18 *type* (1): SU 6199; data exactly as for

SCIAENA GILBERTI Starks 1906, Proc. Mus., vol. 30, no. 1468, p. 79 fig. 3. This name preoccupied b species just preceding, so *Sciaen* new name, was substituted by Eve Radcliffe 1917, Bull. U.S. Nat. M p. 103, pl. 10, fig. 1.

Paratype (1): SU 9589; Callao, Perú.

...ıs; winter of 1898 and 1899.
... S. Nat. Mus. 53464.

...URICA Jordan and Thompson 1911, Proc. ... Mus., vol. 39, no. 1787, p. 255, ...

...7): SU 9989; Port Arthur, Manchuria. ...mes F. Abbott.
... .S. Nat. Mus. 67330.

... Jordan and Thompson 1911, Proc. U.S. ...s., vol. 39, no. 1787, p. 258, fig. 4.

...2): SU 25010; Wakanoura, Japan. Col...id Starr Jordan and John O. Snyder; ...00.
... J.S. Nat. Mus. 67331.

...SSA Heller and Snodgrass 1903, Proc. ...ton Acad. Sci., vol. 5, p. 197.

...SU 6360; Tagus Cove, Albemarle Island, ...rchipelago. Collectors: Robert E. ...d Edmund Heller; 1898-1899. *Paratypes* ...; Albemarle Island, Galápagos Archi...llectors and date as for holotype.

... *LLECEBROSUS* Gilbert, in: Jordan and ...n 1898, Bull. U.S. Nat. Mus. No. 47, ..., p. 1442.

... SU 5515; Panamá Bay, Panamá. Collec...s H. Gilbert et al; January 10-February ... *Paratype* (1): SU 6907; data exactly as ...e.

...STOCARUS Gilbert, in: Jordan and Ever...898, Bull. U.S. Nat. Mus. No. 47, part ...1445.

...*lotype*: SU 5518; Panamá Bay, Panamá. ... Charles H. Gilbert et al; January 10-..., 1896. *Lecto-paratypes* (3): SU 6908; ...y as for the preceding. While no type ...d in the original description, Gilbert ...1904, Mem. California Acad. Sci., vol. ...ve SU 5518 for the "type"—this amount...ctotype designation.

...*ALOAE* Scofield, in: Jordan 1896, Proc. ...ornia Acad. Sci., ser. 2, vol. 6, p. ...pl. 25.

... (37): SU 1632; Mazatlán, Sinaloa, Méxi...tors: David Starr Jordan and party on ... Expedition; December 24, 1894-January ...

Family SPARIDAE

...UCOSTEUS Jordan and Gilbert, in: Jordan ... Rept. U.S. Comm. Fish and Fish., part 13 for 1885, p. 879.

Holotype: SU 10693; Charleston, South Carolina. Collector: Charles H. Gilbert.

PAGRUS ARTHURIUS Jordan and Starks 1906, Proc. U.S. Nat. Mus., vol. 31, no. 1493, p. 517, fig. 1.

Holotype: SU 9880; Port Arthur, Manchuria. Collector: James F. Abbott; summer of 1904.

Family MULLIDAE

MULLOIDES FLAMMEUS Jordan and Evermann 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 186.

Paratype (1): SU 7475; Honolulu, Hawaiian Islands. Collectors: David Starr Jordan and Barton W. Evermann; 1901.
Holotype: U.S. Nat. Mus. 50665.

PSEUDUPENEUS CHRYSONEMUS Jordan and Evermann 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 186.

Paratypes (4): SU 6086; Honolulu, Hawaiian Islands. Collector: Thomas D. Wood; 1898. *Paratypes* (2): SU 7476; Hilo, Hawaiian Islands. Collectors: David Starr Jordan and Barton W. Evermann; 1901. *Paratypes* (9): SU 7476; data as for those just preceding.
Holotype: U.S. Nat. Mus. 50666.

PSEUDUPENEUS ISCHYRUS Snyder 1907, Proc. U.S. Nat. Mus., vol. 32, no. 1513, p. 90, fig. 2.

Holotype: SU 9790; Tokyo, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900.

PSEUDUPENEUS MOANA Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 274.

Paratypes (5): SU 8676; Apia, Samoa. Collector: David Starr Jordan; summer of 1902.
Holotype: U.S. Nat. Mus. 51737.

UPENEUS ARGE Jordan and Evermann 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 187.

Paratype (1): SU 7477; Honolulu, Hawaiian Islands. Collectors: David Starr Jordan and Barton W. Evermann; 1901. *Paratypes* (4): SU 23290; Honolulu, Hawaiian Islands. Collector: Oliver P. Jenkins; 1889.
Holotype: U.S. Nat. Mus. 50667.

UPENEUS CANINUS Gilbert 1900, Proc. Washington Acad. Sci., vol. 2, p. 165, pl. 9, fig. 2.

Holotype: SU 7751; Pernambuco, Brazil. Collector: Arthur W. Greeley; summer of 1899.

UPENEUS LUZONIUS Jordan and Seale 1907, Bull. U.S. Bureau Fish., vol. 26 for 1906, p. 25, fig. 9.

Paratype (1): SU 9244; Cavite, Luzón, Philippine Islands. Collector: George A. Lung; summer of 1900. This specimen bears a "drawn" label. *Paratypes* (2): SU 20101; data exactly as for the preceding.
Holotype: U.S. Nat. Mus. 53067.

UPENEUS XANTHOGRAMMUS Gilbert 1892, Proc. U.S. Nat. Mus., vol. 14, no. 880, p. 553.

Syntypes (3): SU 330; La Paz Harbor, Baja California, México. Collector: "Albatross"; March 12, 1889.

Family PEMPHERIDAE

PEMPHERIS DISPAR Herre 1935, Field Mus. Nat. Hist., zool. ser., vol. 18, no. 12, p. 407.

Paratypes (9): SU 24440; Tenibuli, Ysabel Island, Solomon Islands. Collector: Albert W. C. T. Herre on the Crane Pacific Expedition; April 18, 1929.
Holotype: Chicago Nat. Hist. Mus. 17326.

Family GIRELLIDAE

GIRELLA MEZINA Jordan and Starks 1907, Proc. U.S. Nat. Mus., vol. 32, no. 1541, p. 496, fig. 3.

Holotype: SU 9985; Naha, Okinawa, Riukiu Islands. Presented to Stanford by the Imperial Museum of Japan.

Family CHAETODONTIDAE

ANGELICHTHYS ISABELITA Jordan and Rutter, in: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 2, p. 1685.

Holotype: SU 363; Key West, Florida. Collector: David Starr Jordan.

CENTROPYGE TUTUILAE Jordan and Jordan 1922, Mem. Carnegie Mus., vol. 10, no. 1, p. 62, pl. 3, fig. 2.

Paratype (1): SU 8750; Pago Pago, Samoa. Collectors: David Starr Jordan and Vernon L. Kellogg; summer of 1902.
Holotype: Carnegie Mus. 3902—now at the Chicago Nat. Hist. Mus.

CHAETODON CORALLICOLA Snyder 1904, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 531, pl. 11, fig. 20.

Paratypes (3): SU 7732; Station 4032, Penguin Bank off the southern coast of Oahu Is. ian Islands (Diamond Head Light, N. 19°, 27-29 fathoms. Collector: "Albatross" 1902.
Holotype: U.S. Nat. Mus. 50880.

CHAETODON DAEDALMA Jordan and Fowler 1 U.S. Nat. Mus., vol. 25, no. 1296, fig. 4.

Holotype: SU 7190; Okinawa, Riukiu gro Collector: Yonekichi Komeyama. *Paraty* 7159; Okinawa, Riukiu group, Japan. Co David Starr Jordan and John O. Snyder, 1900.

CHAETODON MANTELLIGER Jenkins 1901, B Fish Comm., vol. 19 for 1899, p. 39

Paratypes (7): SU 23317; Honolulu, Haw lands. Collector: Oliver P. Jenkins; 18
Holotype: U.S. Nat. Mus. 49699.

CHAETODON SPHENOSPILUS Jenkins 1901, B Fish Comm., vol. 19 for 1899, p. 39

Paratypes (10): SU 23322; Honolulu, Ha lands. Collector: Oliver P. Jenkins; 18
Holotype: U.S. Nat. Mus. 49705.

CORADION DESMOTES Jordan and Fowler 19 U.S. Nat. Mus., vol. 25, no. 129 fig. 5.

Holotype: SU 7192; Nagasaki, Japan. C David Starr Jordan and John O. Snyder; 1900.

FORCIPIGER FLAVISSIMUS Jordan and McG Jordan and Evermann 1898, Bull. Mus. No. 47, part 2, p. 1671.

Holotype: SU 5709; Clarión Island Collector: Richard C. McGregor on th "H. C. Wahlberg"; May, 1897.

HENIOCHUS DIPHREUTES Jordan 1903, Proc. Mus., vol. 26, no. 1328, p. 694, f

Holotype: SU 7247; Nagasaki, Japan. David Starr Jordan and John O. Snyder 1900. *Paratypes* (2): SU 7925; Wakano Collectors and date as for holotype.

HOLACANTHUS CHAPMANI Herre 1933, Cop p. 19.

Holotype: SU 25504; Dumaguete, Orie Philippine Islands. Collector: Albe Herre; June 26, 1931. *Paratypes* (2): reef between Burias and Ticao Islands Islands. Collector as above; August, *type* (1): SU 25505; Jolo, Sulu Provi pine Islands. Collector as above; Aug

ARIONENSIS Gilbert 1890, Proc. U.S. ..., vol. 13, no. 797, p. 72.

1: SU 1987; Clarión Island, México. 'lbatross"; 1889. *Syntypes* (2): SU Island, México. Collector: "Alba-

'SHERI Snyder 1904, Bull. U.S. Fish 1. 22 for 1902, p. 532, pl. 11, fig.

2): SU 7738; Station 4032, Penguin ast of Oahu Island, Hawaiian Islands Light, N. 19°, W. 20.0'); 27-29 lector: "Albatross"; July 9, 1902. ove 2 specimens, there are the fol- ns in the Stanford register: No. 7617 , cotype, discarded; No. 7753—Sta- ype, discarded. S. Nat. Mus. 50881.

ONIN Jordan and Fowler 1902, Proc. . Mus., vol. 25, no. 1296, p. 546,

U 7191; Misaki, Japan. Collectors: ordan and John O. Snyder; summer of ng to the description, the holotype from the Asakusa Aquarium in Tokyo ourtesy of Dr. Kamakichi Kishinouye. SU 7160; Wakanoura, Japan. Collec- tarr Jordan and John O. Snyder; sum-

Family CICHLIDAE

CARŌENSIS Eigenmann 1912, Mem. Carnegie l. 5, p. 490, pl. 66, fig. 2.

2): SU 21926; Holmia, Upper Potaro n Guiana. Collector: Carl H. Eigen-

arnegie Mus. 2407—now at the Chicago S.

RAMIREZI Myers and Harry 1948, The (Philadelphia), April, p. 77. This considered the original description, not the intended description which c. California Zool. Club, vol. 1, no. (August 1, 1948).

d 1 *paratype*: SU 14845; locality in- n obtained during a 500-mile auto trip the western llanos of the Orinoco ce, Venezuela (evidently one of the of the lower Río Apure or lower Río State of Guarico or Apure). Collec- Vicente Ramírez and Hermann Blass; *Paratype* (1): SU 14847; data exactly ype. *Paratype* (1): SU 14846; data or holotype.

REINDACHNERI Jordan and Snyder 1901, Bull. U.S. Fish Comm., vol. 19 for 1899, p. 143, fig. 20.

**Holotype*: SU 6164; Río Verde, near Rascón, San Luis Potosí, México. Collector: John O. Snyder; January 24, 1899. **Paratypes* (13): SU 6204; data exactly as for holotype.

CRENICICHLA ALTA Eigenmann 1912, Mem. Carnegie Mus., vol. 5, p. 516, pl. 68, fig. 3.

Paratype (1): SU 21780; Rockstone, Essequibo River, British Guiana. Collector: Carl H. Eigenmann; 1908.
Holotype: Carnegie Mus. 2274a—now at the Chicago Nat. Hist. Mus.

HEROS ISTLANUS Jordan and Snyder 1901, Bull. U.S. Fish Comm., vol. 19 for 1899, p. 144, fig. 21.

Holotype: SU 6150; Río Ixtla at Puento de Ixtla, Morelos, México. Collectors: David Starr Jordan and John O. Snyder; January 3, 1899. *Paratypes* (15): SU 6205; data exactly as for holotype.

HETEROGRAMMA ORTMANNI Eigenmann 1912, Mem. Carnegie Mus., vol. 5, p. 506, pl. 68, fig. 1.

Paratypes (2): SU 21927; Erukin Creek, Lower Potaro River, British Guiana. Collector: Carl H. Eigenmann; 1908.
Holotype: Carnegie Mus. 2306—now at the Chicago Nat. Hist. Mus.

NEETROPLUS CARPINTIS Jordan and Snyder 1901, Bull. U.S. Fish Comm., vol. 19 for 1899, p. 146, fig. 22.

Holotype: SU 6162; Laguna del Carpinte, near Tampico, Tamaulipas, México. Collector: John O. Snyder; January 15, 1899. *Paratypes* (30): SU 6201; data exactly as for holotype.

Family EMBIOTOCIDAE

CYMATOGASTER GRACILIS Tarp 1952, California Dept. Fish and Game, Bureau Marine Fish., Fish Bull. 88, p. 76, fig. 28.

Holotype: SU 16760; Pelican Bay, Santa Cruz Island, California (34° 02' North Latitude, 119° 42' West Longitude). Collector: Fred H. Tarp; January 30, 1949. *Paratypes* (5): SU 16761; data exactly as for holotype. *Paratypes* (3): SU 16762; Santa Rosa Island, California. Collector: John E. Fitch; June 5, 1949.

MICROMETRUS (BRACHYISTIUS) ALETES Tarp 1952, California Dept. Fish and Game, Bureau Marine Fish., Fish Bull. 88, p. 89.

Paratypes (2): SU 5913; Guadalupe Island, Baja California, México. Collector: Richard C. McGregor.

Holotype: California Acad. Sci. 2092.

Family POMACENTRIDAE

ABUDEFDUF CLARKI Snyder 1911, Proc. U.S. Nat. Mus., vol. 40, no. 1836, p. 534.

Paratypes (2): SU 21423; pool at Tanegashima, Japan. Collectors: John O. Snyder and Michitaro Sindo; 1906.
Holotype: U.S. Nat. Mus. 68234.

ABUDEFDUF METALLICUS Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 289, fig. 51.

Paratypes (9): SU 8721; Apia, Samoa. Collectors: David Starr Jordan and party; summer of 1902.
Holotype: U.S. Nat. Mus. 51742.

ABUDEFDUF REX Snyder 1909, Proc. U.S. Nat. Mus., vol. 36, no. 1688, p. 601.

Paratypes (14): SU 21135; tide pools at Naha, Okinawa, Riukiu Islands, Japan. Collectors: John O. Snyder and Michitaro Sindo; 1906.
Holotype: U.S. Nat. Mus. 62949.

ABUDEFDUF RHOMALEUS Snyder 1911, Proc. U.S. Nat. Mus., vol. 40, no. 1836, p. 534.

Paratype (1): SU 21422; Naha, Okinawa, Riukiu Islands, Japan. Collectors: John O. Snyder and Michitaro Sindo; 1906.
Holotype: U.S. Nat. Mus. 68233.

ABUDEFDUF RICHARDSONI Snyder 1909, Proc. U.S. Nat. Mus., vol. 36, no. 1688, p. 600.

Paratypes (3): SU 21134; Naha, Okinawa, Riukiu Islands, Japan. Collectors: John O. Snyder and Michitaro Sindo; 1906.
Holotype: U.S. Nat. Mus. 62948.

ABUDEFDUF SAPPHIRUS Jordan and Richardson 1908, Bull. U.S. Bureau Fish., vol. 27 for 1907, p. 26, fig. 10.

Holotype: SU 20207; Ticao Island, Philippine Islands. Collector: Richard C. McGregor; brought to Stanford in 1906. *Paratypes* (2): SU 20212; data exactly as for holotype.

ABUDEFDUF TAUPOU Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 288, pl. 43, fig. 3.

Paratypes (3): SU 8720; Pago Pago, Samoa. Collectors: David Starr Jordan and party; summer of 1902. *Paratypes* (7): SU 8717; Apia, Samoa. Collectors and date as for the preceding.
Holotype: U.S. Nat. Mus. 51741.

ABUDEFDUF TURCHESIUS Jordan and Seale U.S. Bureau Fish., vol. 26 for fig. 10.

Holotype: SU 9245; Cavite, Philipp Collector: George A. Lung; summer of

AZURINA EUPALAMA Heller and Snodgrass Washington Acad. Sci., vol. 5, p.

Holotype: SU 6352; Hood Island, Gal pelago. Collectors: Robert E. Snodg mund Heller; 1898-1899. **Paratypes* Charles Island, Galápagos Archipelag and date as for the preceding. *Para* 6538; Hood Island, Galápagos Archipel tors and date as for the preceding.

AZURINA HIRUNDO Jordan and McGregor, Evermann 1898, Bull. U.S. Nat. part 2, p. 1544.

Lecto-holotype: SU 5706; Guadalupe coast of México. Collector: Richard on the schooner "H. C. Wahlberg"; Mar No type was designated in the origina which states: "Three specimens from G land, each 6½ inches long". Howeve paper the next year (Jordan and Mc Rept. U.S. Comm. Fish and Fish., for 1 the authors designate SU 5706 as th amounting to a lectotype designation.

CHROMIS ENCHRYSURUS Jordan and Gilber U.S. Nat. Mus., vol. 5, no. 282,

**Paratype* (1): SU 2590; "spewed snapper at Pensacola, Florida. Col. Starr Jordan; March, 1882.
Holotype: U.S. Nat. Mus. 30871.

CHROMIS IONELAS Jordan and Seale 190 Bureau Fish., vol. 25 for 1905,

Paratypes (2): SU 8723; Pago Pago, lectors: David Starr Jordan and par 1902.
Holotype: U.S. Nat. Mus. 51743.

CHROMIS LEUCURUS Gilbert 1905, Bu Comm., vol. 23 for 1903, par p. 620, pl. 77, fig. 2.

Paratype (1): SU 8623; Station 38 nel, between Maui and Lanai Islands lands (Mokuhooniki Islet, N. 14° 3 34-65 fathoms. Collector: "Albatro 1902.
Holotype: U.S. Nat. Mus. 51587.

CHROMIS VELOX Jenkins 1901, Bull. U. vol. 19 for 1899, p. 393, fig.

Paratype (1): SU 5995; Honolulu lands. Collector: Thomas D. Wood types (2): SU 23293; locality as abov

...ns; 1889. *Paratypes* (3): SU 23309; ...ve. Collector: Oliver P. Jenkins; ...l. Nat. Mus. 49698.

...R Jordan and Metz 1912, Proc. U.S. ...s vol. 42, no. 1915, p. 526, pl. 71, ...: SU 22389; Honolulu, Hawaiian Is... ...or: David Starr Jordan. ...S. Nat. Mus. 73912.

...OLIDI Jordan and Tanaka 1927, Ann. ...Mus., vol. 17, nos. 3-4, p. 387, pl. ...1. ...): SU 23681; Sea of Japan between ...ukuoka, Kiusiu, Japan. Collector: ...i. ...rnegie Mus. 8328a—now at the Chicago ...

...DIENCAEUS Jordan and Rutter 1897, ...d. Nat. Sci. Philadelphia, p. 116. ...: SU 4969; Kingston, Jamaica. Col... ...S. Roberts; about 1896.

...MARGINATUS Jenkins 1901, Bull. U.S. ...., vol. 19 for 1899, p. 391, fig. 5. ...9): SU 23331; Honolulu, Hawaiian Is... ...tor: Oliver P. Jenkins; 1889. *Para*... 6094; Honolulu, Hawaiian Islands. ...omas D. Wood; 1898. ...S. Nat. Mus. 49700.

...SINDONIS Jordan and Evermann 1903, ...S. Fish Comm., vol. 22 for 1902, p. ...2): SU 7610; Honolulu, Hawaiian Is... ...ctors: David Starr Jordan and Barton ...1901. ...S. Nat. Mus. 50669.

...N AZURISSIMUS Jordan and Starks, in: ...1895, Proc. California Acad. Sci., ... vol. 5, p. 478, pl. 44. ...): SU 2895; from the rocks about the ...nds, Sinaloa, México. Collectors: ...ordan and party on the Hopkins Exped... ...er 24, 1894-January 25, 1895.

...BEMARLEUS Heller and Snodgrass 1903, ...shington Acad. Sci., vol. 5, p. 204, ...): SU 6359; Tagus Cove, Albemarle Is... ...gos Archipelago. Collectors: Robert ... and Edmund Heller; 1898-1899. Some... ...the line two more specimens have been placed in the same bottle as the single type specimen designated in the original description, so all are now considered syntypes. *Syntypes* (?): SU 6535; Albemarle Island, Galápagos. Collectors and date as for the preceding.

POMACENTRUS ALBOLINEATUS Montalban 1928, Monogr. 24, Bureau Sci. Manila, p. 70, pl. 14, fig. 1.

Lecto-holotype: SU 25571; Bungau Island, Sulu Archipelago, Philippine Islands. Collector: Albert W. C. T. Herre; June 18, 1921. Montalban, in his original description, states: "Known from only two specimens, one of which is in the collection of the Bureau of Science and the other at Stanford University Museum. They measure 37 millimeters each, and were collected by Dr. Albert W. Herre at Bungau Island, Sulu Archipelago, in 1921". Therefore each of these specimens was a syntype. Since all collections in the Philippine Bureau of Science were destroyed during the last war, the Stanford specimen is all that remains and is here designated lectotype of the species.

POMACENTRUS ALEXANDERAE Evermann and Seale 1907, Bull. U.S. Bureau Fish., vol. 26 for 1906, p. 90, fig. 17.

Paratype (1): SU 20005; Bacón, Sorsogón, Philippine Islands. Collector: Charles J. Pierson.
Holotype: U.S. Nat. Mus. 55919.

POMACENTRUS ARCIFRONS Heller and Snodgrass 1903, Proc. Washington Acad. Sci., vol. 5, p. 202, pl. 7.

Holotype: SU 6356; Barrington Island, Galápagos Archipelago. Collectors: Robert E. Snodgrass and Edmund Heller; 1898-1899. *Paratypes* (6): SU 6536; Albemarle Island, Galápagos Archipelago. Collectors and date as for holotype. *Paratypes* (13): SU 6419; Cocos Island, Costa Rica. Collectors and date as for holotype.

POMACENTRUS COELESTIS Jordan and Starks 1901, Proc. California Acad. Sci., ser. 3, Zool., vol. 2, no. 8, p. 383, pl. 21.

Holotype: SU 6434; Wakanoura, in Kii, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900.

POMACENTRUS CRANEI Herre 1935, Field Mus. Nat. Hist., zool. ser., vol. 18, no. 12, p. 409.

Paratypes (2): SU 24442; Hathorn Sound, New Georgia Island, Solomon group. Collector: Albert W. C. T. Herre on the Crane Pacific Expedition; April 21, 1929. *Paratype* (1): SU 24439; Tenibuli, Ysabel Island, Solomon group. Collector as above; April 17, 1929.
Holotype: Chicago Nat. Hist. Mus. 17338.

POMACENTRUS DELURUS Jordan and Seale 1905, Proc. U.S. Nat. Mus., vol. 28, no. 1407, p. 783, fig. 6.

Paratype (1): SU 9130; Southern Negros, Philippine Islands. Collector: Bashford Dean; winter of 1900-1901.
Holotype: U.S. Nat. Mus. 51 according to the description, but this does not seem possible.

POMACENTRUS ECLIPTICUS Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 282, fig. 50.

Paratypes (14): SU 8722; Pago Pago, Samoa. Collectors: David Starr Jordan and party; summer of 1902. *Paratypes* (30): SU 8718; Pago Pago, Samoa. Collectors and date as above. It is possible that these should be from Apia as only 10 specimens were listed in the description as being from Pago Pago, whereas 30 were taken at Apia. However, there is no way of knowing which are which.
Holotype: U.S. Nat. Mus. 51735.

POMACENTRUS GILLI Gilbert and Starks 1904, Mem. California Acad. Sci., vol. 4, p. 141, pl. 22, fig. 44.

Holotype: SU 6803; among reefs and islands in Panamá Bay. Collectors: Charles H. Gilbert et al; January 10-February 24, 1896. *Paratypes* (5): SU 6906; data exactly as for holotype.

POMACENTRUS JENKINSI Jordan and Evermann 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 189.

Paratypes (4): SU 7479; Honolulu, Hawaiian Islands. Collectors: David Starr Jordan and Barton W. Evermann; 1901. No. 7480 is also contained here. *Paratypes* (2): SU 7942; Honolulu, Hawaiian Islands. Collector: Thomas D. Wood; 1898. These specimens will require some checking as the Stanford register states: "Cotypes of *Pomacentrus marginatus*".
Holotype: in the U.S. Nat. Mus.

POMACENTRUS JORDANI Rutter 1897, Proc. Acad. Nat. Sci. Philadelphia, p. 77.

Holotype: SU 1760; Swatow, China. Collector: Adele M. Fielde and sent to the University of Indiana in 1885, from where it was purchased by Stanford while still unworked.

POMACENTRUS LEUCORUS Gilbert 1892, Proc. U.S. Nat. Mus., vol. 14, no. 880, p. 553.

Syntypes (3): SU 329; Socorro Island, one of the Revillagigedo Group, off the west coast of México. Collector: "Albatross"; 1888-1889.

POMACENTRUS PHILIPPINUS Evermann and Seale 1907, Bull. U.S. Bureau Fish., vol. 26 for 1906, p. 91, fig. 18.

Paratype (1): SU 20009; Bacón, Sorsogón, Philippine Islands. Collector: Charles J. Pierson.
Holotype: U.S. Nat. Mus. 55901.

POMACENTRUS RATHBUNI Jordan and Snyder U.S. Nat. Mus., vol. 23, no. 12 pl. 34.

Paratype (1): SU 6464; near Yokoha Collector: Pierre Louis Jouy. *Paratyp* 6659; data as for the preceding.
Holotype: U.S. Nat. Mus. 49706.

POMACENTRUS REDEMPTUS Heller and Snod Proc. Washington Acad. Sci., vol. pl. 6.

Holotype: SU 6358; Clarión Island, Re Archipelago, México. Collector: Rich Gregor.

POMACENTRUS VAIULI Jordan and Seale 1 U.S. Bureau Fish., vol. 25 for 19 pl. 40, fig. 2.

Paratypes (8): SU 8719; Apia, Samoa. David Starr Jordan and party; summer of
Holotype: U.S. Nat. Mus. 51740.

Family LABRIDAE

ANAMPSES EVERMANNI Jenkins 1900, Bull. Comm., vol. 19 for 1899, p. 57, fi

Holotype: SU 6136; Honolulu, Hawaii Collector: Oliver P. Jenkins; 1889. (2): SU 23300; data exactly as for hol

CHEILINUS ZONURUS Jenkins 1900, Bull. Comm., vol. 19 for 1899, p. 56, fi

Holotypes ? SU 6134—there are two t the same catalogue number and same data Hawaiian Islands. Collector: Oliver 1889. *Paratypes* (3): SU 23321; Honol ian Islands. Collector: Thomas D. Woo ford register gives Oliver P. Jenkins Stanford register gives 1889).

CHOEROPS JORDANI Snyder 1908, Proc. U.S vol. 35, no. 1635, p. 98.

Paratypes (2): SU 21103; market at Na Japan. Collectors: John O. Snyder ar Sindo; 1906.
Holotype: U.S. Nat. Mus. 62235.

CIRRHILABRUS JORDANI Snyder 1904, Bul Comm., vol. 22 for 1902, p. 5 fig. 18.

Paratypes (3): SU 7728; Station 387 nel, between Maui and Lanai Islands, lands (Lahaina Light, Maui, N. 60° 45 28-43 fathoms. Collector: "Albatross 1902.
Holotype: U.S. Nat. Mus. 50878.

Jenkins 1901, Bull. U.S. Fish Comm., or 1899, p. 48, fig. 4.

12141; Honolulu, Hawaiian Islands. ver P. Jenkins; 1889.

EDALMA Jordan and Seale 1906, Bull. au Fish., vol. 25 for 1905, p. 301, ig. 2.

: SU 8733; reef at Apia, Samoa. Col- Starr Jordan and party; summer of pes (23): SU 8732; data exactly as ing.
S. Nat. Mus. 51845.

UJIENSIS Herre 1935, Field Mus. Nat. ol. ser., vol. 18, no. 12, p. 410.

8): SU 24428; reef at Ovalau Island, lago. Collector: Albert W. C. T. Crane Pacific Expedition; March 20,

icago Nat. Hist. Mus. 17341.

TRIDESCENS Jenkins 1900, Bull. U.S. ., vol. 19 for 1899, p. 47, fig. 2.

SU 6131; Honolulu, Hawaiian Islands. iver P. Jenkins; 1889. *Paratypes* (2): a exactly as for holotype.

RIDEUS Starks 1913, The Fishes of the Expedition to Brazil, Leland Stanford . Publ., Univ. Ser., p. 60, pl. 8.

U 22213; rock pools at Natal, Brazil. win C. Starks on the Stanford Exped- zil; summer of 1911. *Paratypes* (3): ta as for holotype. While no single designated as holotype in the des- ion of the paper, Prof. Starks refers ed specimen as "Type" on pl. 8. This dered type designation.

AO Jenkins 1900, Bull. U.S. Fish Comm., for 1899, p. 48, fig. 3.

SU 6132; Honolulu, Hawaiian Islands. liver P. Jenkins; 1889.

MACGREGORI Gilbert and Starks 1904, lifornia Acad. Sci., vol. 4, p. 145, fig. 45.

SU 6804; rock pool on the Panamá reef. Charles H. Gilbert et al; January 10- 1896.

PENROSEI Starks 1913, The Fishes of anford Expedition to Brazil, Leland d Jr. Univ. Publ., Univ. Ser., p. 59,

SU 22211; tide pool at Natal, Brazil. Collector: Edwin C. Starks on the Stanford Expedition to Brazil; summer of 1911.

HALICHOERES TREMEBUNDUS Jordan and Snyder 1902, Proc. U.S. Nat. Mus., vol. 24, no. 1266, p. 639, fig. 8.

Holotype: SU 6853; Hiroshima, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (2): SU 7033; Nagasaki, Japan. Collectors and date as for the preceding.

HEMICORIS KELEIPIONIS Jenkins 1900, Bull. U.S. Fish Comm., vol. 19 for 1899, p. 51, fig. 6.

Holotype: SU 6049; Honolulu, Hawaiian Islands. Collector: Thomas D. Wood; 1898.

HEMICORIS REMEDIUS Jenkins 1900, Bull. U.S. Fish Comm., vol. 19 for 1899, p. 49, fig. 5.

Paratypes (5): SU 23295; Honolulu, Hawaiian Islands. Collector: Oliver P. Jenkins; 1889. One of these specimens is probably the holotype.

HEMIPTERONOTUS BALDWINI Jordan and Evermann 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 192.

Paratypes (10): SU 7462; Honolulu, Hawaiian Islands. Collectors: U.S. Fish Commission.
Holotype: U.S. Nat. Mus. 50644.

HEMIPTERONOTUS NIGROMACULATUS Herre 1933, Copeia, no. 1, p. 20.

Holotype: SU 25513; Jolo, Sulu Archipelago, Philippine Islands. Collector: Albert W. C. T. Herre; August 2, 1931.

HEMIPTERONOTUS UMBRATILATUS Jenkins 1900, Bull. U.S. Fish Comm., vol. 19 for 1899, p. 53, fig. 10.

Holotype: SU 6135; Honolulu, Hawaiian Islands. Collector: Oliver P. Jenkins; 1889.

HEMIPTERONOTUS VERRENS Jordan and Evermann 1902, Proc. U.S. Nat. Mus., vol. 25, no. 1289, p. 354, fig. 22.

Holotype: SU 7134; Keerun, Formosa. Collector: Tsunasuke Tada.

INIISTIUS LEUCOZONUS Jenkins 1900, Bull. U.S. Fish Comm., vol. 19 for 1899, p. 54, fig. 11.

Holotype: SU 6137; Honolulu, Hawaiian Islands. Collector: Oliver P. Jenkins; 1889.

INIISTIUS VERATER Jenkins 1900, Bull. U.S. Fish Comm., vol. 19 for 1899, p. 55, fig. 12.

Syntypes (2): SU 5990; Honolulu, Hawaiian Is-

lands. Collector: Thomas D. Wood; 1898.

JULIS MUSUME Jordan and Snyder 1904, Smithsonian Misc. Colls. (Quarterly Issue), vol. 45, no. 1447, p. 236, pl. 61.

Holotype: SU 8384; off Izu, Japan. Collector: Alan Owston.

LEPIDALPOIS ATRORUBENS E. K. Jordan 1925, Proc. U.S. Nat. Mus., vol. 66, art. 33, no. 2570, p 23, pl. 1, fig. 3.

Paratype (1): SU 13408; market at Honolulu, Hawaiian Islands. Collectors: David Starr Jordan and Eric Knight Jordan; August, 1924. *Paratype* (1): SU 13407; data as for the preceding.
Holotype: U.S. Nat. Mus. 87421.

LEPIDAPLOIS LOXOZONUS Snyder 1908, Proc. U.S. Nat. Mus., vol. 35, no. 1635, p. 95.

Paratype (1): SU 21102; market at Naha, Okinawa, Riukiu group, Japan. Collectors: John O. Snyder and Michitaro Sindo; 1906.
Holotype: U.S. Nat. Mus. 62233.

LEPIDAPLOIS MIRABILIS Snyder 1908, Proc. U.S. Nat. Mus., vol. 35, no. 1635, p. 96.

Paratype (1): SU 20957; Naha, Okinawa, Riukiu group, Japan. Collectors: John O. Snyder and Michitaro Sindo; 1906.
Holotype: U.S. Nat. Mus. 62234.

LEPIDALPOIS STROPHODES Jordan and Evermann 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 190.

Paratypes (2): SU 7481; Honolulu, Hawaiian Islands. Collectors: David Starr Jordan and Barton W. Evermann; 1901.
Holotype: U.S. Nat. Mus. 50672.

MACROPHARYNGODON AQUILOLO Jenkins 1900, Bull. U.S. Fish Comm., vol. 19 for 1899, p. 46, fig. 1.

Holotype: SU 6130; Honolulu, Hawaiian Islands. Collector: Oliver P. Jenkins; 1889. *Paratypes* (4): SU 23323; data exactly as for holotype.

MACROPHARYNGODON NEGROSENSIS Herre 1932, Copeia, no. 3, p. 142.

Holotype: SU 25519; Dumaguete, Oriental Negros, Philippine Islands. Collector: Albert W. C. T. Herre; June 20, 1931.

NOVACULICHTHYS ENTARGYREUS Jenkins 1900, Bull. U.S. Fish Comm., vol. 19 for 1899, p. 53, fig. 9.

Holotype: SU 5984; Honolulu, Hawaiian Islands. Collector: Thomas D. Wood; 1898.

NOVACULICHTHYS WOODI Jenkins 1900, Bull. . Comm., vol. 19 for 1899, p. 52, fig.

Syntypes (2): SU 6029; Honolulu, Hawa. lands. Collector: Thomas D. Wood; 1898.

PLATYGLOSSUS FLOS-CORALLIS Jordan and Sea Bull. U.S. Bureau Fish., vol. 2[illegible] fo p. 299, pl. 46, fig. 2.

Paratype (1): SU 8670; Pago Pago, Samoa lectors: David Starr Jordan and party; su 1902. *Paratype* (1): SU 8669; Pago Pago, Collectors: David Starr Jordan and party, of 1902.
Holotype: U.S. Nat. Mus. 51744.

PSEUDOCHEILINUS OCTOTAENIA Jenkins 1900 U.S. Fish Comm., vol. 19 for 1899, fig. 22.

Syntypes (2): SU 6122; Honolulu, Hawai lands. Collector: Mr. Keleipio for Thomas 1899.

PSEUDOJULIS VENUSTUS Jenkins and Everman Proc. U.S. Nat. Mus., vol. 11, no. 145.

Paratype (1): SU 263; Guaymas, Sonora, Collectors: Oliver P. Jenkins and Barton mann; July, 1887.
Holotype: U.S. Nat. Mus. 39631.

STETHOJULIS PSACAS Jordan and Snyder 190 U.S. Nat. Mus., vol. 24, no. 1266, fig. 5.

Holotype: SU 6850; Naha, Okinawa, Riukiu (the Stanford register gives Yayeyama, Ri lands). Collectors: David Starr Jordan O. Snyder; summer of 1900.

STETHOJULIS TERINA Jordan and Snyder 190 U.S. Nat. Mus., vol. 24, no. 1266, fig. 6.

Holotype: SU 6851; Misaki, Japan. Col David Starr Jordan and John O. Snyder; s 1900. *Paratypes* (2): SU 7057; data exactl holotype.

STETHOJULIS TROSSULA Jordan and Snyder 190 U.S. Nat. Mus., vol. 24, no. 1266, fig. 7.

Holotype: SU 6852; Misaki, Japan. Col David Starr Jordan and John O. Snyder; s 1900.

STETHOJULIS ZATIMA Jordan and Seale 190 U.S. Nat. Mus., vol. 28, no. 1407, fig. 9.

Paratype (1): SU 9134; southern shore of

s, Philippine Islands. Collector:
winter of 1900 and 1901.
S. Nat. Mus. 51943.

ANEI Herre 1935, Field Mus. Nat.
ol. ser., vol. 18, no. 12, p. 412.

1): SU 25167; Auki, Malaita Island,
nds. Collector: Albert W. C. T.
Crane Pacific Expedition; April 14,

icago Nat. Hist. Mus. 17347.

RANNATICUM Gilbert 1890, Proc. U.S.
, vol. 13, no. 797, p. 68.

2): SU 2722; Socorro Island, México.
lbatross"; 1889.
Jordan and Evermann 1898, Bull. U.S.
47, part 2, p. 1610, give U.S. Nat.
r the "type". While this appears to
pe designation, 2 specimens bear the

YRRHOVINCTUM Jenkins 1900, Bull. U.S.
m., vol. 19 for 1899, p. 51, fig. 7.

(13): SU 23332; Honolulu, Hawaiian
llector: Oliver P. Jenkins; 1889.

SUVEILATUS Jordan and Evermann 1903,
.S. Fish Comm., vol. 22 for 1902, p.

1): SU 7463; Honolulu, Hawaiian Is-
lectors: David Starr Jordan and Barton
1901.
U.S. Nat. Mus. 50646.

Family SCARIDAE

BACURUS Jordan and Seale 1906, Bull.
reau Fish., vol. 25 for 1905, p. 324,

(1): SU 12966; coral reef at Apia,
lectors: David Starr Jordan and party;
902. **Paratypes* (3): SU 8667; coral
a, Samoa. Collectors: David Starr
party; summer of 1902.
U.S. Nat. Mus. 51754.

NOWERSI Snyder 1909, Proc. U.S. Nat.
vol. 36, no. 1688, p. 602.

(1): SU 21136; market at Naha, Okinawa,
nds, Japan. Collectors: John O. Snyder
ro Sindo; 1906.
U.S. Nat. Mus. 62950.

LERAE Jordan and Seale 1907, Bull. U.S.
Fish., vol. 26 for 1906, p. 31, fig.

Holotype: SU 9246; Cavite, Philippine Islands. Collector: George A. Lung; summer of 1900.

CALLYODON FUNIFRONS Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 326, pl. 34.

Paratypes (2): SU 8662; Apia, Samoa, according to the Stanford register. However, the description mentions only specimens from Pago Pago, so it is possible that this is where they were taken. Collectors: David Starr Jordan and party; summer of 1902.
Holotype: U.S. Nat. Mus. 51745.

CALLYODON LATAX Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 329, pl. 49.

Paratype (1): SU 12965; Apia, Samoa. Collectors: David Starr Jordan and party; summer of 1902.
Holotype: U.S. Nat. Mus. 51755.

CALLYODON LAZULINUS Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 333, fig. 65.

**Paratypes* (6): SU 8666; Apia, Samoa. Collectors: David Starr Jordan and party; summer of 1902.
Holotype: U.S. Nat. Mus. 51758.

CALLYODON MAORICUS Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 328, pl. 48, fig. 3.

Paratype (1): SU 12963; Pago Pago, Samoa. Collectors: David Starr Jordan and party; summer of 1902.
Holotype: U.S. Nat. Mus. 51747.

CALLYODON PYRRHURUS Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 314, fig. 55.

**Paratypes* (3): SU 8665; Pago Pago, Samoa. Collectors: David Starr Jordan and party; summer of 1902.
Holotype: U.S. Nat. Mus. 51748.

CALLYODON ULTRAMARINUS Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 332, fig. 64.

**Paratypes* (3): SU 8663; Apia, Samoa. Collectors: David Starr Jordan and party; summer of 1902.
Holotype: U.S. Nat. Mus. 51757.

CALLYODON UPOLENSIS Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 319, fig. 59.

Paratypes (2): SU 8668; Apia, Samoa. Collectors: David Starr Jordan and party; summer of 1902.
Holotype: U.S. Nat. Mus. 51751.

CALLYODON ZONULARIS Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 321, fig. 60.

Paratypes (5): SU 8664; Pago Pago, Samoa. Collectors: David Starr Jordan and party; summer of 1902.
Holotype: U.S. Nat. Mus. 51752.

CALOTOMUS IRRADIANS Jenkins 1901, Bull. U.S. Fish Comm., vol. 19 for 1899, p. 58, fig. 15.

Holotype: SU 12142; Honolulu, Hawaiian Islands. Collector: Oliver P. Jenkins; 1889. *Paratype* (1): SU 13416; data exactly as for holotype.

CRYPTOTOMUS BERYLLINUS Jordan and Swain 1884, Proc. U.S. Nat. Mus., vol. 7, no. 414, p. 101.

Syntypes (3): SU 346; Key West, Florida. Collector: David Starr Jordan; about 1883.

PSEUDOSCARUS JORDANI Jenkins 1901, Bull. U.S. Fish Comm., vol. 19 for 1899, p. 63, fig. 21.

Holotype: SU 12143; Honolulu, Hawaiian Islands. Collector: Oliver P. Jenkins; 1889.

SCARIDEA AEROSA Jordan and Snyder 1907, Bull. U.S. Bureau Fish., vol. 26 for 1906, p. 215, fig. 4.

Paratype (1): SU 13417; Honolulu, Hawaiian Islands. Collector: David Starr Jordan; March, 1905.
Holotype: U.S. Nat. Mus. 57786.

SCARIDEA ZONARCHA Jenkins 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 468, fig. 26.

Paratype (1): SU 23296; Honolulu, Hawaiian Islands. Collector: Oliver P. Jenkins; 1889. *Paratype* (1): SU 7696; Honolulu, Hawaiian Islands. Collector: Thomas D. Wood; 1898.
Holotype: U.S. Nat. Mus. 50851.

SCARUS AHULA Jenkins 1900, Bull. U.S. Fish Comm., vol. 19 for 1899, p. 61, fig. 19.

Holotype: SU 6142; Honolulu, Hawaiian Islands. Collector: Oliver P. Jenkins; 1889. *Paratypes* (4): SU 23320; data exactly as for holotype. In addition to these being more specimens than listed in the original description, one of them is probably the specimen collected by Thomas D. Wood at Honolulu in 1898.

SCARUS BARBORUS Jordan and Evermann 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 197.

Paratype (1): SU 7465; Honolulu, Hawaiian Islands. Collectors: David Starr Jordan and Barton W. Evermann; 1901.
Holotype: U.S. Nat. Mus. 50649.

SCARUS BRUNNEUS Jenkins 1900, Bull. U.S. Fish Comm., vol. 19 for 1899, p. 59, fig. 16.

Holotype: SU 6139; Honolulu, Hawaiian I
Collector: Oliver P. Jenkins; 1889. Pa
(8): SU 23326; data exactly as for holotyp

SCARUS EMBLEMATICUS Jordan and Rutter 19
Acad. Nat. Sci. Philadelphia, p. 122.

Holotype: SU 4954; region of Kingston, J
Collector: Joseph S. Roberts; about 1896.

SCARUS GALENA E. K. Jordan 1925, Proc. U.
Mus., vol. 66, no. 2570, art. 33, p.

Paratypes (2): SU 23374; Honolulu, Hawa
lands. Collector: Eric K. Jordan; August
Paratype (1): SU 8781; Honolulu, Hawaiian
Collectors: David Starr Jordan and party.
type (1): SU 8784; Apia, Samoa. Collector:
Starr Jordan and party; summer of 1902.
Holotype: U.S. Nat. Mus. 87418.

SCARUS GILBERTI Jenkins 1900, Bull. U.
Comm., vol. 19 for 1899, p. 59, fig.

Holotype: SU 6140; Honolulu, Hawaiian I
Collector: Oliver P. Jenkins; 1889. Pa
(4): SU 23292; data exactly as for holotyp

SCARUS LAUIA Jordan and Evermann 1903, Bu
Fish Comm., vol. 22 for 1902, p. 196.

Paratype (1): SU 12938 (transferred fro
Honolulu, Hawaiian Islands. Collector: O
Jenkins ?
Holotype: U.S. Nat. Mus. 50648.

SCARUS MINIATUS Jenkins 1900, Bull. U.
Comm., vol. 19 for 1899, p. 62, fig.

Holotype: SU 12144; Honolulu, Hawaiian
Collector: Oliver P. Jenkins; 1889. *Para*
SU 9051; Honolulu, Hawaiian Islands. Alt
Stanford register states that the colle
Oliver P. Jenkins, this must be the spec
tioned in the original description as col
the "Albatross" in 1896.

SCARUS NOYESI Heller and Snodgrass 190
Washington Acad. Sci., vol. 5, p. 20

Holotype: SU 12332; Tagus Cove, Alber
land, Galápagos Archipelago. Collector:
E. Snodgrass and Edmund Heller; 1898-1899

SCARUS OPHTHALMISTIUS Herre 1933, Copei
p. 21.

Holotype and 1 *paratype* (mixed—the 1
the holotype): SU 25507; Jolo, Sulu Arc
Philippine Islands. Collector: Albert
Herre; August 20, 1931.

SCARUS PALUCA Jenkins 1900, Bull. U.S. F
vol. 19 for 1899, p. 60, fig. 18.

SU 6141; Honolulu, Hawaiian Islands. liver P. Jenkins; 1889.

INALIS Jordan and Swain 1884, Proc. t. Mus., vol. 7, no. 414, p. 88.

): SU 1411; Havana, Cuba. Collector: Jordan; about 1883.

ANUS Herre 1933, Copeia, no. 1, p. 22.

SU 25510; Taytay, Palawan, Philippine llector: Albert W. C. T. Herre; August *Paratype* (1): SU 25511; Linapacan Isn Province, Philippine Islands. Colove; September 1, 1931. *Paratype* (1): reef between Burias and Ticao Islands, Islands. Collector as above; August he Stanford register gives July, 1931, r label in the bottle gives 1931).

YSTRODON Jordan and Swain 1884, Proc. at. Mus., vol. 7, no. 414, p. 99.

(16): SU 4183; eel-grass and *Fucus* est, Florida. Collector: David Starr t 1883.

Jordan and Evermann 1898, Bull. U.S. o. 47, part 2, p. 1631, give U.S. Nat. for the "type". While this appears to ype designation, 4 specimens bear the

Family CIRRHITIDAE

EA BINACULA Jenkins 1903, Bull. U.S. omm., vol. 22 for 1902, p. 489, fig. 36.

(1): SU 23313; living coral at Honolulu, slands. Collector: Oliver P. Jenkins;

U.S. Nat. Mus. 50702.

Family OPISTHOGNATHIDAE

AURIFRONS Jordan and Thompson 1905, U.S. Bureau Fish., vol. 24 for 1904, p. ig. 4.

: SU 8413; coral reef at Garden Key, Collector: Joseph C. Thompson.

DENDRITICA Jordan and Richardson 1908, U.S. Bureau Fish., vol. 27 for 1907, 51, fig. 9.

: SU 20313; Cuyo, Philippine Islands. Richard C. McGregor.

EVERMANNI Jordan and Snyder 1902, Proc. Nat. Mus., vol. 24, no. 1263, p. 493, 6.

Holotype: SU 6542; fishermen's boats at Wakanoura, Kii, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900.

GNATHYPOPS HOPKINSI Jordan and Snyder 1902, Proc. U.S. Nat. Mus., vol. 24, no. 1263, p. 492, fig. 5.

Holotype: SU 6541; Okinosa, Tokyo Bay, Japan, according to the Stanford register (Misaki, according to the description). Presented to Jordan and Snyder by Professor Kakichi Mitsukuri of the Imperial University; 1900.

GNATHYPOPS SNYDERI Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 3, p. 2285.

Holotype: SU 2014; San Luis Gonzáles Bay, Gulf of California, México. Collector: Charles H. Gilbert.

OPISTHOGNATHUS SULUENSIS Herre 1933, Copeia, no. 1, p. 25.

Holotype: SU 25508; Sitankai, Sibutu Islands, Sulu Archipelago, Philippine Islands. Collector: Albert W. C. T. Herre; August, 1931. *Paratype* (1): SU 17467; data exactly as for holotype.

STALIX HISTRIO Jordan and Snyder 1902, Proc. U.S. Nat. Mus., vol. 24, no. 1263, p. 495, fig. 7.

Holotype: SU 6543; Nagasaki, Japan (bottle and label give Wakanoura, Japan). Collectors: David Starr Jordan and John O. Snyder; summer of 1900.

Family BATHYMASTERIDAE

BATHYMASTER CAERULEOFASCIATUS Gilbert and Burke 1912, Bull. U.S. Bureau Fish., vol. 30 for 1910, p. 84, fig. 29.

Paratypes (2): SU 22242; Medni Island of the Commander Group, North Pacific. Collector: "Albatross"; summer of 1900. *Paratypes* (4): SU 22242 (in vial, in bottle with preceding paratypes); Nikolski, Bering Island, of the Commander Group, North Pacific. Collector and date as above.
Holotype: in the U.S. Nat. Mus.

RATHBUNELLA ALLENI Gilbert 1904, Proc. California Acad. Sci., ser. 3, zool., vol. 3, no. 9, p. 267, pl. 28.

Holotype: SU 8415; long lines in Monterey Bay, Pacific Grove, California. Collector: William F. Allen; date unknown. *Paratype* (1): SU 8416; data exactly as for holotype.

Family MUGILOIDIDAE

NEOPERCIS ROSEOVIRIDIS Gilbert 1905, Bull. U.S.

Fish Comm., vol. 23 for 1903, part 2, p. 643, pl. 83.

Paratype (1): SU 8644; Station 4077, off the northeast coast of Maui Island, Hawaiian Islands (Puniawa Point, S. 45° 45', E. 6.1'); 99-100 fathoms. Collector: "Albatross"; July 21, 1902.
Holotype: U.S. Nat. Mus. 51650.

PARAPERCIS OMMATURA Jordan and Snyder 1902, Proc. U.S. Nat. Mus., vol. 24, no. 1263, p. 465, fig. 1.

Holotype: SU 6540; Nagasaki, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (23): SU 6712; data exactly as for holotype. *Paratypes* (10): SU 7013; Tsuruga, Echizen, Japan. Collectors and date as for holotype.

PARAPERCIS PTEROSTIGMA Jenkins 1901, Bull. U.S. Fish Comm., vol. 19 for 1899, p. 402, fig. 15.

Paratypes (2): SU 23334; Honolulu, Hawaiian Islands. Collector: Thomas D. Wood; 1898 (the Stanford register gives the collector as Oliver P. Jenkins; 1889). Of the three notes in the bottle, one states that these specimens are possibly types and the other two state that they are types.
Holotype: U.S. Nat. Mus. 49701.

PARAPERCIS SNYDERI Jordan and Starks 1905, Proc. U.S. Nat. Mus., vol. 28, no. 1391, p. 210, fig. 10.

Paratype (1): SU 8643; Nagasaki, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900.
Holotype: U.S. Nat. Mus. 51498.

Family BEMBROPIDAE

BEMBROPS FILIFER Fowler 1938, Proc. U.S. Nat. Mus., vol. 85, no. 3032, p. 92, fig. 42.

Paratype (1): SU 40194; Station 5520, 4.5 miles off Point Tagolo Light, Mindanao, Philippine Islands (8° 41' 15" North Latitude, 123° 18' 30" East Longitude); 102 fathoms. Collector: "Albatross"; August 10, 1909. This specimen was formerly U.S. Nat. Mus. 98973.
Holotype: U.S. Nat. Mus. 98866.

BEMBROPS FILIFERA Gilbert 1905, Bull. U.S. Fish Comm., vol. 23 for 1903, part 2, p. 643, pl. 84.

Paratype (1): SU 8645; Station 4079, northeast coast of Maui Island, Hawaiian Islands (Puniawa Point, S. 31° 30', E. 6'); 143-178 fathoms. Collector: "Albatross"; July 21, 1902.
Holotype: U.S. Nat. Mus. 51613.

PTEROPSARON EVOLANS Jordan and Snyder 1902, Proc. U.S. Nat. Mus., vol. 24, no. 1263, p. fig. 2.

Paratypes (2): SU 7158; Owari Bay, Japan. lector: "Albatross".
Holotype: U.S. Nat. Mus. 50008.

PTEROPSARON INCISUM Gilbert 1905, Bull. U. Comm., vol. 23 for 1903, part 2, p. 87.

Paratype (1): SU 20166; Station 3958, v of Laysan Island, Hawaiian Islands (Laysan Light, S. 76° 30', E. 8.2'); 173-182 f Collector: "Albatross"; May 22, 1902.
Holotype: U.S. Nat. Mus. 51621.

Family DACTYLOSCOPIDAE

COKERIDIA LACTEA Myers and Wade 1946, All cock Pacific Expeds., vol. 9, no. 6, pl. 21, fig. 3.

Paratype (1): SU 39959; Station 789-38, Seymour Island, Galápagos Archipelago. Col George S. Myers on the "Velero III"; Janu 1938. *Paratype* (1): SU 39958; Station Darwin Bay, Tower Island, Galápagos Archi Collector as above; January 17, 1938. *Pa* (2): SU 39960; Station 800-38, Cartago Bay marle Island, Galápagos Archipelago. Co as above; January 22, 1938.
Holotype: Allan Hancock Foundation 909.

DACTYLOSCOPUS CROSSOTUS Starks 1913, The F the Stanford Expedition to Brazil, Stanford Jr. Univ. Publs., Univ. Ser., pl. 12.

Holotype: SU 22227; sandy tide pools at Brazil. Collector: Edwin C. Starks on th ford Expedition to Brazil; summer of 1911. *types* (7): SU 22522; data exactly as for h

GILLELLUS SEMICINCTUS Gilbert 1890, Pro Nat. Mus., vol. 13, no. 797, p. 98.

Syntypes (2): SU 31; Station 2829, off B ifornia, México (22° 52' North Latitude, West Longitude); 31 fathoms. Collector: tross"; May 1, 1888.

HETERISTIUS JALISCONIS Myers and Wade 194 Hancock Pacific Expeds., vol. 9, no 161, pl. 21, fig. 4.

Paratype (1): SU 39961; Station 765- Black Rock, south of Cape Corrientes, México (19° 57' North Latitude, 105° Longitude); 5-10 fathoms. Collector: G Myers on the "Velero III"; January Stanford register gives January 9).
Holotype: Allan Hancock Foundation 914.

Family URANOSCOPIDAE

EGREGIUS Jordan and Thompson 1905, .J.S. Bureau Fish., vol. 24 for 1904, p. igs. 5 and 6.

SU 8411; reef at Garden Key, Florida. Joseph C. Thompson.

SATSUMAE Jordan and Hubbs 1925, Mem. ie Mus., vol. 10, no. 2, p. 313.

(1): SU 23478; Kagoshima Bay, Province Japan. Collector: Yojiro Wakiya; 1922. Carnegie Mus. 7949—now at the Chicago Mus.

Family CHAMPSODONTIDAE

FIMBRIATUS Gilbert 1905, Bull. U.S. Comm., vol. 23 for 1903, part 2, p. 648, 3.

(8): SU 8571; Station 4101, Pailolo etween Maui and Molokai Islands, Hawai- ds (Mokuhooniki Islet, N. 8° 30', E. -143 fathoms. Collector: "Albatross"; 902.
U.S. Nat. Mus. 51629.

Family NOTOTHENIIDAE

GILBERTI Thompson 1916, Proc. U.S. Nat. vol. 50, no. 2133, p. 430, pl. 2, fig. 3.

(1): SU 22723; Laredo Bay, Straits of Collector: "Albatross"; 1888.
U.S. Nat. Mus. 76853.

JORDANI Thompson 1916, Proc. U.S. Nat. vol. 50, no. 2133, p. 443, pl. 3, fig. 3.

(3): SU 22722; Station 2773, off Cape Straits of Magellan (52° 23' South Lati- 11' West Longitude); 10 fathoms. Collec- "Albatross"; January 17, 1888.
U.S. Nat. Mus. 76855.

LATIFRONS Thompson 1916, Proc. U.S. Mus., vol. 50, no. 2133, p. 434, pl. 3, 1.

(1): SU 22724; Sandy Point, Straits of Collector: "Albatross"; 1888.
U.S. Nat. Mus. 76854.

Family BLENNIIDAE

BLENNARIA BALANORUM Brock 1940, Stanford Ichthyological Bull., vol. 2, no. 1, p. 30.

Holotype: SU 35046; rocky inlet, Cape San Lucas, Baja California, México. Collector: Vernon E. Brock; January 31, 1940. Caught within barnacle shell at small islet near Beebe's "eel-garden". *Paratypes* (2): SU 35047; data exactly as for holotype.

ACANTHEMBLEMARIA HANCOCKI MACROSPILUS Brock 1940, Stanford Ichthyological Bull., vol. 2, no. 1, p. 32.

Holotype: SU 35048; María Magdalena Island, the centermost of the Tres Marías Islands, off the west coast of México. Collector: Vernon E. Brock; February 16, 1940. Caught while diving in 30 feet of water on reef at southeast corner of island, with fish poison. *Paratype* (1): SU 35050; Cape San Lucas, Baja California, México. Collector as above; January 31, 1940. Caught while diving in 15 feet of water near Beebe's "eel-garden", with fish poison.

ALTICUS EVERMANNI Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 422.

Paratypes (9): SU 8689; Apia, Samoa. Collector: David Starr Jordan; summer of 1902.
Holotype: U.S. Nat. Mus. 51789.

ALTICUS MARGARITARIUS Snyder 1908, Proc. U.S. Nat. Mus., vol. 35, no. 1635, p. 106.

Paratypes (14): SU 21109; Naha, Okinawa, Riukiu Islands, Japan. Collectors: John O. Snyder and Michitaro Sindo; 1906. *Paratypes* (9): SU 21094; data as for the preceding.
Holotype: U.S. Nat. Mus. 62243.

ALTICUS MUSILAE Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 425, fig. 104.

Paratypes (2): SU 8693; Apia, Samoa. Collector: David Starr Jordan; summer of 1902.
Holotype: U.S. Nat. Mus. 51790.

ALTICUS NOVEMMACULOSUS Snyder 1908, Proc. U.S. Nat. Mus., vol. 35, no. 1635, p. 107.

Paratypes (63): SU 21110; Naha, Okinawa, Riukiu Islands, Japan. Collectors: John O. Snyder and Michitaro Sindo; 1906.
Holotype: U.S. Nat. Mus. 62244.

ALTICUS SEMICRENATUS Chapman, in: deBeaufort and and Chapman 1951, The Fishes of the Indo-Australian Archipelago, vol. 9, p. 269, fig. 46.

Holotype: SU 17779; Lembeh Strait, Celebes. Collector: Albert W. C. T. Herre; June 21, 1929. *Paratypes* (17): SU 29487; data exactly as for holotype.

ALTICUS THALASSINUS Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 425, fig. 103.

Paratype (1): SU 8692; Apia, Samoa. Collectors: David Starr Jordan and party; summer of 1902. *Holotype*: U.S. Nat. Mus. 51795.

ALTICUS TRIANGULUS Chapman, in: deBeaufort and Chapman 1951, The Fishes of the Indo-Australian Archipelago, vol. 9, p. 269, fig. 46.

Holotype: SU 17780; Andaman Islands. Collector: D. D. Mukerji; April, 1930. *Paratypes* (15): SU 17781; data exactly as for holotype. *Paratypes* (5): SU 17782; Andaman Islands. Collector: Albert W. C. T. Herre; 1940-1941. *Paratypes* (17): SU 37132; Ross Island, Port Blair, South Andaman Islands. Collectors: K. S. Misra and H. S. Rao; February 12, 1930 and December 29, 1932. *Paratypes* (2): SU 37133; Murdakhari Bay, Port Blair, South Andaman Islands. Collector: K. S. Misra; December 17, 1934. *Paratypes* (35): SU 39580; Turtle Bay, South Island, Southern Moscos Group, Burma. Collector: Albert W. C. T. Herre; October, 1940.

ASPIDONTUS DASSON Jordan and Snyder 1902, Proc. U.S. Nat. Mus., vol. 25, no. 1293, p. 456, fig. 8.

Holotype: SU 7070; Wakanoura, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900.

ASPIDONTUS TROSSULUS Jordan and Snyder 1902, Proc. U.S. Nat. Mus., vol. 25, no. 1293, p. 455, fig. 7.

Holotype: SU 7114; Misaki, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900.

BLENNIUS CANARIENSIS Jordan and Gunn 1898, Proc. Acad. Nat. Sci. Philadelphia, p. 346.

Syntypes (2): SU 4285; Canary Islands. Collector: O. F. Cook; presented in 1891 to Stanford University.

BLENNIUS ELLIPES Jordan and Starks 1906, Proc. U.S. Nat. Mus., vol. 30, no. 1462, p. 702, fig. 9.

Paratype (1): SU 9361; Tanegashima, Japan. Collectors: Anderson and Anderson; 1904-1905. This specimen bears a "drawn" label. *Paratypes* (14): SU 9778; Tanegashima, Japan. Collector: Robert V. Anderson; 1904-1905.
Holotype: U.S. Nat. Mus. 53272.

BLENNIUS THYSANIUS Jordan and Seale 1907, Bull. U.S. Bureau Fish., vol. 26 for 1906, p. 47, fig. 19.

Paratype (1): SU 9252; Cavite, Philippine Islands. Collector: George A. Lung; summer of 1900. *Holotype*: U.S. Nat. Mus. 53072.

CHASMODES HERKLOTSI Herre 1935, Hong Kong ist, vol. 6, nos. 3 and 4, p. 288, f

Holotype and 2 *paratypes* (the holotype est): SU 30970; southern coast of Hong land, China. Collector: Albert W. C. T. March, 1934.

CHASMODES JENKINSI Jordan and Evermann, in: 1896, Proc. California Acad. Sci., vol. 6, p. 232, pl. 39.

Holotype: SU 412; Guaymas, Sonora, Méx lectors: Barton W. Evermann and Oliver P. 1887.

CHASMODES SABURRAE Jordan and Gilbert 1882 U.S. Nat. Mus., vol. 5, no. 282, p. 2

Paratypes (12): SU 440; Pensacola Bay, Collector: David Starr Jordan; March, 1882. *Holotype*: U.S. Nat. Mus. 30824.

CIRRIPECTES CANINUS Herre 1936, Philippine Sci., vol. 59, no. 2, p. 284.

Holotype: SU 29082; Ternate, one of the cas. Collector: Albert W. C. T. Herre; 1929.

ENCHELYURUS CAERULEO-PUNCTATUS Herre 1939, pine Journ. Sci., vol. 70, no. 4, pl. 1.

Holotype: SU 33023; tide pool among the Nasugbu, Batangas Province, Luzón, Philipp lands. Collector: Albert W. C. T. Herre; 11, 1936. *Paratype* (1): SU 33024; data ex for holotype.

ENCHELYURUS HEPBURNI Snyder 1908, Proc. U Mus., vol. 35, no. 1635, p. 110.

Paratypes (2): SU 21112; Naha, Okinawa, Islands, Japan. Collectors: John O. Sny Michitaro Sindo.
Holotype: U.S. Nat. Mus. 62247.

HOMESTHES CAULOPUS Gilbert, in: Jordan a mann 1898, Bull. U.S. Nat. Mus. No. 3, p. 2394.

Syntypes (2): SU 5623; Panamá Bay, Panam lector: Charles H. Gilbert; January 10-1 24, 1896.

HYPSOBLENNIUS PEARSONI Gilbert and Star Mem. California Acad. Sci., vol. 4, pl. 32, fig. 60.

Holotype: SU 6522; Panamá. Collector: H. Gilbert; January 10—February 24, 1896.

CELEBESENSIS Herre 1936, Philippine ci., vol. 59, no. 2, p. 283, pl. 1,

SU 29081; Lambeh Strait, north end Celebes. Collector: Albert W. C. T. 3, 1929. *Paratype* (1): in the same he above, but it has a shorter head is less bulky; data exactly as for

ALEPIDOTUS Gilbert 1890, Proc. U.S. ., vol. 13, no. 797, p. 103.

: SU 72; Station 3005, Gulf of Cal- 02' 45" North Latitude, 110° 43' 30" ie); 21 fathoms. Collector: "Alba- 17, 1889.

S DISPAR Herre 1942, Stanford Univ. niv. Ser., Biol. Sci., vol. 7, no. 2,

SU 37288; English Harbor, Antigua, Indies. Collector: Walter K. Fisher;

ELATUS Jordan and Snyder 1902, Proc. t. Mus., vol. 25, no. 1293, p. 452,

SU 7071; Yaeyama, Ishigaki Island, elago. Collector: Alan Owston.

ERETES Jordan and Seale 1905, Proc. t. Mus., vol. 28, no. 1407, p. 801,

(2): SU 9132; southern shore of the gros, Philippine Islands. Collector: ; winter of 1900-1901. U.S. Nat. Mus. 51949.

FELICIANA Herre 1942, Copeia, no. 2,

SU 36671; mangrove swamp beside the ion at Cagayán, Oriental Misamis Prov- ao, Philippine Islands. Collector: T. Herre; August 20, 1940. *Paratype* 2; data exactly as for holotype.

S GORRORENSIS Herre 1936, Philippine Sci., vol. 59, no. 2, p. 285.

SU 29102; reefs surrounding Gorror of the Pelew Islands. Collector: Al- T. Herre; October 13, 1933. *Paratype* 34; Madang, on the north coast of New llector as above; May 6, 1929.

S KRANJIENSIS Herre 1940, Bull. Raffles no. 16, p. 25, pl. 20.

SU 33007; mangrove swamp drained by the Kranji River, Singapore Island. Collector: Albert W. C. T. Herre; March 10, 1937. *Paratype* (1): SU 33008; data exactly as for holotype.

PETROSCIRTES KULAMBANGRAE Herre 1935, Field Mus. Nat. Hist., Publ. 335, zool. ser., vol. 18, no. 12, p. 436.

Paratype (1): SU 24441; freshwater creek, Kulambangra Island, Solomon Islands. Collector: Albert W. C. T. Herre; April 23, 1929.
Holotype: Chicago Nat. Hist. Mus. 17392.

PETROSCIRTES LINI Herre 1934, Lingnan Sci. Journ., vol. 13, no. 2, p. 292.

Holotype and 8 *paratypes* (mixed, in one bottle): SU 29088; Heungchow, Kwangtung Province, China. Collector: Shu-Yen Lin; 1932.

PETROSCIRTES LOXOZONUS Jordan and Starks 1906, Proc. U.S. Nat. Mus., vol. 30, no. 1462, p. 705, fig. 13.

Paratype (1): SU 9364; Tanegashima, Japan. Collector: Robert V. Anderson; 1904-1905. This specimen bears a "drawn" label. *Paratypes* (25): SU 9783; Tanegashima, Japan. Collectors: Anderson and Anderson; 1904-1905.
Holotype: U.S. Nat. Mus. 53275.

PETROSCIRTES VULSUS Jordan and Seale 1907, Bull. U.S. Bureau Fish., vol. 26 for 1906, p. 47, fig. 20.

Holotype: SU 9253; Manila, Philippine Islands. Collector: George A. Lung.

PETROSCIRTES WATEROUSI Herre 1942, Copeia, no. 2, p. 112.

Holotype: SU 36673; swamp on the Waterous Hacienda, Mangarín, Mindoro, Philippine Islands. Collector: Albert W. C. T. Herre; July 20-22, 1940.

PETROSCIRTES XESTUS Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 433, fig. 110.

Paratype (1): SU 8694; Pago Pago, Samoa. Collector: David Starr Jordan; summer of 1902.
Holotype: U.S. Nat. Mus. 51797.

RUNULA AZALEA Jordan and Bollman 1890, Proc. U.S. Nat. Mus., vol. 12, no. 770, p. 171.

**Paratype* (1): SU 1848; Indefatigable Island, Galápagos Archipelago. Collector: "Albatross"; 1887-1888.
Holotype: U.S. Nat. Mus. 44299.

SALARIAS ANDERSONI Jordan and Starks 1906, Proc. U.S. Nat. Mus., vol. 30, no. 1462, p. 703, fig. 11.

Paratype (1): SU 9781; Tanegashima, Japan. Col-

lector: Robert V. Anderson; 1904-1905. *Paratype* (1): SU 9362; Tanegashima, Japan. Collectors: Anderson and Anderson; 1904-1905.
Holotype: U.S. Nat. Mus. 53273.

SALARIAS BLEEKERI Chapman, in: deBeaufort and Chapman 1951, The Fishes of the Indo-Australian Archipelago, vol. 9, p. 338.

Holotype: SU 37136; South Point, Port Blair, South Andaman Islands. Collector: Albert W. C. T. Herre; February 2, 1933.

SALARIAS COLEI Herre 1934, The Fishes of the Herre Philippine Expedition of 1931, Newspaper Enterprise Ltd., Hong Kong, p. 96.

Holotype: SU 25520; reef in Culión Harbor, Philippine Islands. Collector: Albert W. C. T. Herre; May 2, 1931. *Paratype* (1): SU 25521; data exactly as for holotype.

SALARIAS CYPHO Jenkins 1904, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 506, fig. 47.

Paratypes (54): SU 23318; Honolulu, Hawaiian Islands. Collector: Oliver P. Jenkins; summer of 1889.
Holotype: U.S. Nat. Mus. 50697.

SALARIAS FOWLERI Herre 1936, Philippine Journ. Sci., vol. 59, no. 3, p. 364, pl. 2, fig. 7.

Holotype and 7 *paratypes* (mixed, in one bottle): SU 30971; tide pool at Dumaguete, Oriental Negros, Philippine Islands. Collector: Albert W. C. T. Herre; November 23, 1933.

SALARIAS GARMANI Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 429, fig. 107.

Paratypes (39): SU 9019; Pago Pago, Samoa. Collectors: David Starr Jordan and party; summer of 1902.
Holotype: U.S. Nat. Mus. 51792.

SALARIAS LIGHTI Herre 1938, Proc. Biol. Soc. Washington, vol. 51, pp. 65-66.

Holotype: SU 33001; Dodd Island, Amoy, China. Received from Dr. S. F. Light in 1923.

SALARIAS MARTINI Herre 1942, Proc. Biol. Soc. Washington, vol. 55, p. 2,

Holotype: SU 38253; reef at Estancia, Panay, Philippine Islands. Collector: Albert W. C. T. Herre; July 27, 1940. *Paratypes* (10): SU 38254; data exactly as for holotype.

SALARIAS PERIOPHTHALMUS VISAYANUS Herre 1934, Fishes of the Herre Philippine Expedition of 1931, Newspaper Enterprise Ltd., H p. 97.

Holotype and 7 *paratypes* (mixed, in on SU 28435; Dumaguete, Oriental Negros, P Islands. Collector: Albert W. C. T. He 27, 1931. From this bottle the follo been removed: 1 male *S. periophthalmus* a imens of another unnamed species. *Parat* SU 28436; Culión, Philippine Islands. as above; May 2, 1931.

SALARIAS SINUOSUS Snyder 1908, Proc. Mus., vol. 35, no. 1635, p. 109.

Paratypes (2): SU 21111; Naha, Okinaw Islands, Japan. Collectors: John O. S Michitaro Sindo; 1906.
Holotype: U.S. Nat. Mus. 62246.

SALARIAS TANEGASHIMAE Jordan and Sta Proc. U.S. Nat. Mus., vol. 30, no. 704, fig. 12.

Paratype (1): SU 9363; Tanegashima, Ja lectors: Anderson and Anderson; 1904-19 *type* (1): SU 16450 (originally in witn data as for the preceding.
Holotype: U.S. Nat. Mus. 53274.

SALARIAS UNDECIMALIS Jordan and Seale 1 U.S. Nat. Mus., vol. 28, no. 140 fig. 18.

Paratypes (2): SU 9133; southern sh island of Negros, Philippine Islands. Bashford Dean; winter of 1900 and 1901.
Holotype: U.S. Nat. Mus. 51942.

SALARIAS WALENSIS Herre 1935, Field Hist., Publ. 335, zool. ser., vo 12, p. 437.

Paratype (1): SU 24436; Wala Island rides. Collector: Albert W. C. T. He 29, 1929.
Holotype: Chicago Nat. Hist. Mus. 173

SALARIAS ZAMBOANGAE Evermann and Seale mann 1906, Proc. U.S. Nat. Mus., v 1491, p. 512, fig. 4.

Paratype (1): SU 10007; Caldera Bay, Mindanao, Philippine Islands. Collecto Mearns; 1904.
Holotype: U.S. Nat. Mus. 55623.

SCARTICHTHYS ENOSIMAE Jordan and Sn Proc. U.S. Nat. Mus., vol. 25, n 460, fig. 9.

Holotype: SU 7068; Misaki, Japan. David Starr Jordan and John O. Snyder 1900. *Paratypes* (3): SU 7105; data ex holotype.

?YS STELLIFER Jordan and Snyder 1902, U.S. Nat. Mus., vol. 25, no. 1293, p. fig. 10.

: SU 7069; Wakanoura, Japan. Collectors: r Jordan and John O. Snyder; summer of *atype* (1): SU 7156; rock pools at Waka- an. Collectors and date as for holotype.

LNIUS SPINIGER Herre 1935, Field Mus. Nat. ., Publ. 335, zool. ser., vol. 18, no. 1 p. 435.

es (4): SU 24423; tide pool at Eden Is- ápagos Archipelago. Collector: Albert Herre; January 13, 1929.
e: Chicago Nat. Hist. Mus. 17395.

LICATA Herre 1935, Field Mus. Nat. Hist., l. 335, zool. ser., vol. 18, no. 12, p. .

es (5): SU 24420; Tagus Cove, Albemarle Galápagos Archipelago. Collector: Albert Herre; January 9, 1929.
e: Chicago Nat. Hist. Mus. 17399.

Family CONGROGADIDAE

ADUS HIERICHTHYS Jordan and Richardson 08, Bull. U.S. Bureau Fish., vol. 27 for 07, p. 285, fig. 11.

pe: SU 20208; Cuyo, Philippine Islands. or: Richard C. McGregor.

THYS ENCRYPTES Jordan and Fowler 1902, oc. U.S. Nat. Mus., vol. 25, no. 1303, p. 4, fig. 1.

pe: SU 7120; island of Myiakoshima, Riukiu ago, Japan. Presented to Stanford by the l Museum of Tokyo. This was specimen 613 kawa's catalogue.

Family CLINIDAE

STIUS STAHLI Evermann and Marsh 1899, Rept. . Fish Comm., part 25 for 1899, p. 359.

ype (1): SU 8658; Puerto Real, Porto Rico. tor: U.S. Fish Commission steamer "Fish January 26-27, 1899.
ype: U.S. Nat. Mus. 49372.

AUCHENOPTERUS MEXICANUS Gilbert 1904, Proc. California Acad. Sci., ser. 3, no. 9, p. 269, pl. 29.

Holotype: SU 6486; La Paz, Baja California, México. Collector: Charles H. Gilbert. *Paratypes* (11): SU 238; data exactly as for holotype.

AUCHENOPTERUS RUBICUNDUS Starks 1913, The Fishes of the Stanford Expedition to Brazil, Leland Stanford Jr. Univ. Publ., Univ. Ser., p. 74, pl. 15.

Holotype: SU 22218; tide pool at Natal, Brazil. Collector: Edwin C. Starks on the Stanford Expedition to Brazil; summer of 1911.

BRANNERELLA BRASILIENSIS Gilbert 1900, Proc. Washington Acad. Sci., vol. 2, p. 180, pl. 9, fig. 1.

Holotype and 1 *paratype* (mixed, but the holotype is 31 mm.): SU 7750; coral reef near Maceió, Brazil. Collector: Arthur W. Greeley; summer of 1899.

CRISTICEPS FLAMMEUS Jordan and Starks 1906, Proc. U.S. Nat. Mus., vol. 30, no. 1462, p. 701, fig. 8.

Holotype: SU 9360; Tanegashima, Japan. Collectors: Anderson and Anderson; 1904-1905.

CRYPTOTREMA CORALLINUM Gilbert 1890, Proc. U.S. Nat. Mus., vol. 13, no. 797, p. 101.

Syntypes (2): SU 75; Station 2945, off Southern California (34° 00' North Latitude, 119° 29' 30" West Longitude); 30 fathoms. Collector: "Albatross"; February 6, 1889.

ENNEAPTERYGIUS HUDSONI Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 419, fig. 101.

Paratype (1): SU 8691; Pago Pago, Samoa. Collector: David Starr Jordan; summer of 1902.
Holotype: U.S. Nat. Mus. 51798.

ENNEAPTERYGIUS PARDOCHIR Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 417, fig. 98.

Paratypes (6): SU 8696; Apia, Samoa. Collector: David Starr Jordan; summer of 1902.
Holotype: U.S. Nat. Mus. 51799.

ENNEAPTERYGIUS PUNCTULATUS Herre 1935, Field Mus. Nat. Hist., Publ. 335, zool. ser., vol. 18, no. 12, p. 432.

Paratypes (3): SU 24437; Wala Island, New Hebri-

des. Collector: Albert W. C. T. Herre; March 29, 1929. *Paratype* (1): SU 25117; Malo Island, New Hebrides. Collector as above; March 30, 1929. *Paratypes* (2): SU 25118; Hog Harbor, Espiritu Santo Island, New Hebrides. Collector as above; April 1, 1929.
Holotype: Chicago Nat. Hist. Mus. 17388.

ENNEAPTERYGIUS STOREYAE Brock 1940, Stanford Ichthyological Bull., vol. 2, no. 1, p. 33.

Holotype: SU 35045; Los Frailes, near Cape San Lucas, Baja California, México (caught with wide-mouthed jar on sea fan while diving in 15 feet of water). Collector: Vernon E. Brock; March 2, 1938.

ENNEAPTERYGIUS TUTUILAE Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 418, fig. 99.

Paratypes (2): SU 8695; reef at Pago Pago, Samoa. Collector: David Starr Jordan; summer of 1902.
Holotype: U.S. Nat. Mus. 51801.

ENNEAPTERYGIUS WAIGIENSIS Herre 1935, Field Mus. Nat. Hist., Publ. 335, zool. ser., vol. 18, no. 12, p. 434.

Paratype (1): SU 27717; reef on the south coast of Waigiu Island, near the mouth of Majalibit Inlet. Collector: Albert W. C. T. Herre; June 8, 1929.
Holotype: Chicago Nat. Hist. Mus. 17494.

EXERPES ASPER EARLI Clark Hubbs 1952, Stanford Ichthyological Bull., vol. 4, no. 2, p. 94, fig. 29.

Holotype: SU 16239; southeast of Cape Tortolo, Turtle Bay, Baja California, México. Collectors: Clark and Earl Hubbs; February 8, 1948. Original number H48-53. *Paratypes* (45): SU 16240; data exactly as for holotype. *Paratypes* (4): SU 16241; North Whale Island, San Ignacio Lagoon, Baja California, México. Collectors: Clark Hubbs, Johnson and Allanson; February 10, 1950. Original number H50-68.

EXERPES ASPER MAGDALENENSIS Clark Hubbs 1952, Stanford Ichthyological Bull., vol. 4, no. 2, p. 93.

Holotype: SU 16237; Magdalena Bay, Baja California, México. Probably received from the California State Division of Fish and Game. *Paratypes* (12): SU 16238; data exactly as for holotype.

GIBBONSIA ELEGANS ELEGANS (Cooper) 1864, Proc. California Acad. Sci., ser. 1, vol. 3, art. 3, p. 108, fig. 23.

Neotype: SU 16318; Bird Rock, San Diego County, California. Collectors: Clark Hubbs and party; June 1, 1946. This neotype designation was made by Clark Hubbs 1952, Stanford Ichthyological Bull., vol. 4, no. 2, pp. 141 and 148, since the holotype, California Acad. Sci. 707, was de 1906.

GIBBONSIA ELEGANS ERROLI Clark Hubbs 1 for Ichthyological Bull., vol. 4, 151, fig. 63.

Holotype: SU 16255; reef at south end lupe Island, Baja California, México. C Carl L. Hubbs and party from the "E. W. December 8, 1946. Original number H46-1 *types* (48): SU 16256; data exactly as for *Paratypes* (15): SU 16257; southeast tip lupe Island, Baja California, México. C "Zaca" Expedition; August 16, 1946. Ori ber H46-203, Hancock 1521-46.

GIBBONSIA ELEGANS RUBRIOR Clark Hubbs 1 ford Ichthyological Bull., vol. 4, 152, fig. 64.

Holotype: SU 16272; Melpomene Cove, Island, Baja California, México. Collec L. Hubbs and party from the "Orca"; 22- January 29, 1950. Original number H50- *types* (3): SU 16273; data exactly as for

GIBBONSIA ELEGANS VELIFERA Clark Hubbs 1 ford Ichthyological Bull., vol. 4, 149, fig. 62.

Holotype: SU 16258; east side of Sout Island, Baja California, México. Co Joseph W. Sefton, Clark Hubbs and par "Orca"; December 22, 1948. Original n 321. *Paratypes* (26): SU 16259; data for holotype. *Paratypes* (2): SU 16269; of South Coronado Island, Baja Californ Collector: Joseph W. Sefton on the " fathoms; December 5, 1948. Original n 314. *Paratypes* (7): SU 16267; off the of South Coronado Island, Baja Californ Collectors: Carl L. Hubbs and party fr W. Scripps"; August 11, 1948. Origi H48-216. *Paratypes* (3): SU 16265; ea South Coronado Island, Baja Californi Collectors: Carl L. Hubbs and party fr W. Scripps"; August 11, 1948. Origi H48-215. *Paratypes* (6): SU 16268; ea South Coronado Island, Baja Californi Collectors: Carl L. Hubbs and party; No 1948. Original number H48-306. *Para* SU 16270; off the east coast of Soutl Island, Baja California, México; 10 fat lectors: Clark Hubbs and party fro December 22, 1948. Original number H48- *types* (4): SU 16266; off the east coas Coronado Island, Baja California, Méxic tors: Carl L. Hubbs and party from Scripps"; August 11, 1948. Original numb

GIBBONSIA ERYTHRA Clark Hubbs 1952, St thyological Bull., vol. 4, no. fig. 54.

Holotype: SU 16246; Becher's Bay, Island, California (34° 00' 53" North 120° 01' 54" West Longitude to 34° 00

.20° 01' 45" West Longitude); 10 fathoms. : Fred H. Tarp, F. Taylor, C. Feeney, nsig from the "Orca"; January 28, 1949. .mber W49-27. *Paratypes* (37): SU 16247; ly as for holotype. *Paratype* (1): SU t side of South Coronado Island, Baja México. Collectors: Carl L. Hubbs and the "E. W. Scripps"; August 11, 1948. .mber H48-215.

METZI FERVENTER Clark Hubbs 1952, Stan- Ichthyological Bull., vol. 4, no. 2, p. fig. 48.

: SU 15396; tide pool in Santo Tomás California, México. Collectors: Carl L. party; December 18, 1945. Original num- 17a. *Paratypes* (17): SU 15404; tide he north shore of Fraser Point, Santa nd, California. Collectors: Carl L. party; April 28, 1947. Original number b. *Paratypes* (13): SU 15402; north- r, San Clemente Island, California. Col- S. Hinton and party; January 5, 1947. number H47-5b. *Paratypes* (8): SU 15400; lson Cove, San Clemente Island, Califor- ectors: S. Hinton and party; January 4, ginal number H47-2. *Paratypes* (2): SU d Rock, San Diego, California. Collec- L. and Laura C. Hubbs and E. M. Kampa; 9, 1945. Original number H45-200. *Para-*: SU 15403; tide pools at Fraser Point, z Island, California. Collectors: Carl nd party; May 26, 1947. Original number *Paratypes* (18): SU 15327; ocean tide sand bluff northwest of San Quintín Bay, alifornia, México. Collectors: Robert R. tricia E. Barton, Malcolm F. Rice, Helen Elizabeth S. Stark, Dare S. McMullin, Storey, and Harold S. Johnston on the Natural History Club Expedition; March Original number Q49-9. *Paratypes* (2): reef at Bird Rock, San Diego, California. s: Boyd W. Walker, and Carl L. and Laura January 31, 1946. Original number H46- *types* (2): SU 15397; locality as for the , also the collectors and date. Original 6-20. *Paratypes* (2): SU 15306; Entrada n Quintín Bay, Baja California, México. s: Robert R. Harry, Patricia E. Barton, nhão, Harold S. Johnston, and Clark Hubbs tural History Club Expedition; March 22, riginal number Q49-7. *Paratype* (1): SU alfway" between Ensenada and Tia Juana, alifornia, México. Collectors: Alexander J. nd David C. Regnery; December 26, 1939. (3): SU 9906; San Diego, San Diego Coun- ornia. Collector: Edwin C. Starks. *Para-*: SU 22517; rock pools of rocky point, nco, Los Angeles, California. Collector: ubbs. *Paratype* (1): SU 35137; tide pool f former pier, Laguna Beach, Orange Coun- fornia. Collector: Wilbur I. Follett; 4, 1940. *Paratype* (1): SU 15405; tide north shore of Frazer Point, Santa Cruz alifornia. Collectors: Carl L. Hubbs and pril 28, 1947. Original number H47-89. s (118): SU 15398; Punta Clara, south of o Tomás, Baja California, México. Collec- l L. Hubbs and party; December 18, 1945. number H45-217a. *Paratypes* (29): SU 15401; reef on the ocean side of Point Loma, San Diego, California. Collectors: Carl L. Hubbs and party; February 5, 1947. Original number H47-19.

GIBBONSIA MONTEREYENSIS VULGARIS Clark Hubbs 1952, Stanford Ichthyological Bull., vol. 4, no. 2, p. 133, fig. 53.

Holotype: SU 40333; cove northwest of Bodega Head, Sonoma County, California (38° 19' 01" North Latitude, 123° 04' 12" West Longitude). Collector: Wilbur I. Follett; May 12, 1941. *Paratype* (1): SU 40285; Tomales Point, Marin County, California (38° 14' 16" North Latitude, 122° 59' 20" West Longitude). Collector: Wilbur I. Follett; July 9, 1941. *Paratypes* (9): SU 24648; tide pools at Moss Beach, San Mateo County, California. Collector: George S. Myers; December 6, 1931. *Paratype* (1): SU 32231; Moss Beach, San Mateo County, California. Collectors: George S. Myers and class; October 31. 1936. *Paratype* (1): SU 23618; Point St. George, California. Collector: John O. Snyder; July 26, 1919. These were originally paratypes of *Gibbonsia elegans montereyensis* Carl Hubbs 1926, Papers Michigan Acad. Sci., Arts, and Letters, vol. 7, p. 354.

GIBBONSIA NORAE Clark Hubbs 1952, Stanford Ichthyological Bull., vol. 4, no. 2, p. 126, fig. 49.

Holotype: SU 16249; reef at south end of Guadalupe Island, Baja California, México. Collectors: Carl L. Hubbs and party from the "E. W. Scripps"; December 8, 1946. Original number H46-155. *Paratypes* (55): SU 16250; data exactly as for holotype. *Paratypes* (9): SU 16251; reef at southwest tip of Guadalupe Island, Baja California, México. Collectors: Carl L. Hubbs and party from the "E. W. Scripps"; December 6, 1946. Original number H46-140. *Paratypes* (12): SU 16253; tide pool at the south end of Guadalupe Island, Baja California, México. Collectors: "Zaca" Expedition; August 16, 1946. Original number H46-201, Hancock 1519-46. *Paratype* (1): SU 16252; Melpomene Cove, Guadalupe Island, Baja California, México. Collectors: Carl L. Hubbs and party from the "E. W. Scripps"; July 7, 1946. Original number H46-143b.

HETEROSTICHUS ROSTRATUS GUADALUPENSIS Clark Hubbs 1952, Stanford Ichthyological Bull., vol. 4, no. 2, p. 115, fig. 43.

Holotype: SU 16330; Melpomene Cove, Guadalupe Island, between two outer islands, Baja California, México. Collectors: Carl L. Hubbs and party from the "Orca"; January 29, 1950. Original number H50-32. *Paratype* (1): SU 5893; Guadalupe Island, Baja California, México. Collector: Richard C. McGregor.

HISTIOCLINUS VELIGER Metzelaar 1919, Over Tropisch Atlantische Visschen, part 1, p. 157, fig. 51.

Syntypes (4): SU 23312; Bonaire (lake), South America. Collector: J. Boeke; 1904-1905.

LEPISOMA JENKINSI Heller and Snodgrass 1903, Proc. Washington Acad. Sci., vol. 5, p. 219, pl. 16.

Holotype: SU 6350; Iguana Cove, Albemarle Island, Galápagos Archipelago. Collectors: Robert E. Snodgrass and Edmund Heller; 1898-1899. *Paratypes*(2): SU 8655; data exactly as for holotype.

MALACOCTENUS PUERTORICENSIS Evermann and Marsh 1899, Rept. U.S. Fish Comm., part 25 for 1899, p. 358.

Paratypes (3): SU 8656; Fajardo, Porto Rico. Collector: U.S. Fish Commission Steamer "Fish Hawk"; February 16-18, 1899.
Holotype: U.S. Nat. Mus. 49371.

MALACOCTENUS ZONOGASTER Heller and Snodgrass 1903, Proc. Washington Acad. Sci., vol. 5, p. 217, pl. 15.

Holotype: SU 6353 (mistakenly 6352 of the description); Iguana Cove, Albemarle Island, Galápagos Archipelago. Collectors: Robert E. Snodgrass and Edmund Heller; 1898-1899. *Paratypes* (2): SU 7060; Albemarle Island, Galápagos Archipelago. Collectors and date as for holotype. *Paratypes* (5): SU 8481; data exactly as for holotype.

MNIERPES MACROCEPHALUS CATHERINAE Clark Hubbs 1952, Stanford Ichthyological Bull., vol. 4, no. 2, p. 61, fig. 6.

Paratypes (9): SU 16193; Piedra Blanca Bay, Costa Rica. Collectors: New York Zoological Society's "Zaca" Expedition; February 4, 1938. The holotype was from this lot which was previously numbered New York Zoological Society 28178. *Paratypes* (10): SU 16192; locality and collector as above; February 3, 1938. Formerly New York Zoological Society 28164. *Paratypes* (2): SU 16194; locality and collector as above; February 3, 1938. Formerly New York Zoological Society 28194. *Paratype* (1): SU 16195; locality and collector as above; December 31, 1937. Formerly New York Zoological Society 27638. *Paratype* (1): SU 16191; Corinto, Nicaragua. Collector as above; December 30, 1937. Formerly New York Zoological Society 27162.
Holotype: New York Zoological Society 28178.

NEOCLINUS STEPHENSAE Clark Hubbs 1953, Copeia, no. 1, p. 15, fig. 12.

Holotype: SU 16331; off the east coast of South Coronado Island, Baja California, México; 10 fathoms. Collectors: Carl L. Hubbs and party on the "E. W. Scripps"; August 11, 1948. Original number H48-215. *Paratype* (1): SU 22518; tide pool on Point Loma, San Diego County, California. Collector: Kate Stephens.

NEOCLINUS UNINOTATUS Clark Hubbs 1953, Copeia, no. 1, p. 18, figs. 13 and 14.

Holotype: SU 16332; Newport Bay, Orange County, California. Collector: George A. MacGinitie; September, 1947. Original number H47-191. (1): SU 1445; Santa Barbara, Santa Barba California. Collectors: David Starr Charles H. Gilbert. *Paratypes* (8): SU fic Grove, Monterey County, California. Charles H. Gilbert. *Paratype* (1): SU 2 fic Grove, Monterey County, California. Woodworth.

PARACLINUS ALTIVELIS SINI Clark Hubbs 1 ford Ichthyological Bull., vol. 4, 74, fig. 14.

Holotype: SU 16206; San Ignacio La California; 3.25-3.75 meters. Collecte Hubbs; February 11, 1950. Original numb *Paratype* (1): SU 16207; data exactly as type.

PARACLINUS BEEBEI Clark Hubbs 1952, Sta thyological Bull., vol. 4, no. fig. 21.

Paratypes (17): SU 16228; Piedra B Costa Rica. Collectors: New York Zoolo ety's "Zaca" Expedition; February 2, merly New York Zoological Society 281 lot from which the holotype was taken. (1): SU 16227; Bahia Honda, Panamá. C above; March 15, 1938. Formerly New Yo cal Society 28552. *Paratypes* (4): SU 1 pool, 3 miles north of Arroyo Seco, Ba nia, México. Collectors: Ira L. Wiggins M. Hill; November 27, 1946. Field numb
Holotype: New York Zoological Society

PARACLINUS INTEGRIPINNIS ZACAE Clark Stanford Ichthyological Bull., vol p. 87, fig. 23.

Holotype: SU 16230; tidepool at the s Guadalupe Island, Baja California, Mé lectors: Carl L. Hubbs and party from Scripps"; December 8, 1946. Original 155. *Paratypes* (23): SU 16231; data for holotype. *Paratypes* (12): SU 162 southeast of tip of cape, ocean side c tolo, Baja California, México. Collec and Earl Hubbs; February 8, 1948. Ori H48-52. *Paratype* (1): SU 1899; San Baja California, México. Collector: Eigenmann.

PARACLINUS MEXICANUS CLEOPHENSIS Clark Stanford Ichthyological Bull., v p. 80, fig. 20.

Holotype: SU 16225; tidepool on Cle Las Tres Marías Islands, México. Col non Brock; February 23, 1940. *Para* SU 16226; data exactly as for holotype

PARACLINUS WALKERI Clark Hubbs 1952, S thyological Bull., vol. 4, no fig. 24.

Holotype: SU 15320; 1500 meters

nt, San Quintín Bay, Baja California, Collectors: Stanford Natural History ch 24, 1949. Original number Q49-8. 4): SU 15239; north of pier at old town ntín, San Quintín Bay, Baja California, Collectors: Robert R. Harry, Patricia and Harold S. Johnston on the Stanford story Club Expedition; March 21, 1949. umber Q49-2. *Paratypes* (58): SU 15224; of pier at old town of San Quintín, San y, Baja California, México. Collectors: s, Catherine Symons, Carol L. Rider, and Burwash on the Stanford Natural History ition; March 21, 1949. Original number

ION ATRICEPS Jenkins 1903, Bull. U.S. Comm., vol. 22 for 1902, p. 505, fig. 46.

s (9): SU 23305; Honolulu, Hawaiian Is- ollector: Oliver P. Jenkins; summer of

: U.S. Nat. Mus. 50719.

ION BAPTURUM Jordan and Snyder 1902, Proc. Nat. Mus., vol. 25, no. 1293, p. 447, 2.

e: SU 7066; Misaki, Japan. Collectors: rr Jordan and John O. Snyder; summer of

ION CARMINALE Jordan and Gilbert 1882, . U.S. Nat. Mus., vol. 4, no. 237, p. 362.

e: SU 3854; Mazatlán, Sinaloa, México. t: David Starr Jordan; 1895. Neotype des- by Brock 1940, Stanford Ichthyological ol. 2, no. 1, p. 34. See Schultz 1950, shington Acad. Sci., vol. 40, no. 8, p. this specimen not belonging to the above species.

ION ELLIOTI Herre 1944, Proc. Biol. Soc. shington, vol. 57, p. 49.

e: SU 38840; Maharanepeta Beach, Vizaga- dia. Collector: Albert W. C. T. Herre; 20, 1940. *Allo-paratype* (1): SU 38841; ame bottle with the above, but a female. (114): SU 38845; among rocks at Maharan- ach, Vizagapatam, India. Collector as ecember 20-24, 1940. *Paratype* (1): SU ock pool at Konival, 10 miles south of m, Travancore, India. Collector: Albert Herre; January 19, 1941. *Paratypes* (8): among rocks at Lawson's Bay (beyond or Waltair), Vizagapatam, India. Collector: W. C. T. Herre; December 26, 1940. *Para-* 0): SU 38844; among rocks at Waltair Beach miles north of Maharanepeta Beach), Viza- India. Collector: Albert W. C. T. Herre; 22, 1940.

GION ETHEOSTOMA Jordan and Snyder 1902, c. U.S. Nat. Mus., vol. 25, no. 1293, p. 4, fig. 1.

Holotype: SU 7065; Misaki, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (27): SU 7100; data exactly as for holotype.

ZACALLES BRYOPE Jordan and Snyder 1902, Proc. U.S. Nat. Mus., vol. 25, no. 1293, p. 448, fig. 3.

Holotype: SU 7067; Misaki, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (20): SU 7102; data exactly as for holotype.

Family XIPHISTERIDAE

XIPHISTES ULVAE Jordan and Starks 1895, Proc. California Acad. Sci., ser. 2, vol. 5, p. 847, pl. 102.

Holotype: SU 3132; high on rocks among algae just below high-water mark, Waadda Island, Neah Bay, Washington. Collector: Edwin C. Starks; July, 1895.

XIPHISTES VERSICOLOR Gilbert and Burke 1912, Bull. U.S. Bureau Fish., vol. 30 for 1910, p. 88, fig. 33.

Paratypes (8): SU 22368; tide-pools on Agattu Island. Collector: "Albatross"; June 8, 1906. *Holotype*: in the U.S. Nat. Mus.

Family STICHAEIDAE

NEOZOARCES STEINDACHNERI Jordan and Snyder 1902, Proc. U.S. Nat. Mus., vol. 25, no. 1293, p. 479, fig. 18.

Holotype: SU 7075; Hakodate, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (3): SU 7025 (mistakenly 4025 in the description); data exactly as for holotype.

ZOARCHIAS VENEFICUS Jordan and Snyder 1902, Proc. U.S. Nat. Mus., vol. 25, no. 1293, p. 480, fig. 19.

Holotype: SU 7076; Hakodate, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (166): SU 7104; data exactly as for holotype.

Family PHOLIDAE

ABRYOIS AZUMAE Jordan and Snyder 1902, Proc. U.S. Nat. Mus., vol. 25, no. 1293, p. 486, fig. 22.

Holotype: SU 7078; Mororan, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of

1900. *Paratypes* (6): SU 7097; data exactly as for holotype.

ALECTRIAS BENJAMINI Jordan and Snyder 1902, Proc. U.S. Nat. Mus., vol. 25, no. 1293, p. 475, fig. 16.

Holotype: SU 7074; Hakodate, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (57): SU 7103; data exactly as for holotype. *Paratypes* (2): SU 7157; Same, Japan. Collectors and date as for holotype.

ANOPLARCHUS INSIGNIS Gilbert and Burke 1912, Bull. U.S. Bureau Fish., vol. 30 for 1910, p. 88, fig. 32.

Paratypes (6): SU 22362; Attu Island. Collector: "Albatross"; summer of 1906.
Holotype: in the U.S. Nat. Mus.

AZUMA EMNION Jordan and Snyder 1902, Proc. U.S. Nat. Mus., vol. 25, no. 1293, p. 463, fig. 11.

Holotype: SU 7137; Hakodate, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (2): SU 7107; data exactly as for holotype. *Paratype* (1): SU 7118; Miyako, Japan. Presented to Jordan and Snyder by Mitonubu Irako of the Museum of Morioka.

BRYOLOPHUS LYSINUS Jordan and Snyder 1902, Proc. U.S. Nat. Mus., vol. 25, no. 1300, p. 617, fig. 3.

Paratypes (3): SU 3049; Station 3213, south of Alaskan Peninsula. 54° 10' North Latitude, 162° 57' 30" West Longitude; 41 fathoms. Collector: "Albatross"; May 21, 1890.
Holotype: U.S. Nat. Mus. 50571.

BRYOSTEMMA DECORATUM Jordan and Snyder 1902, Proc. U.S. Nat. Mus., vol. 25, no. 1300, p. 615, fig. 2.

Holotype: SU 3156; Point Orchard, near Seattle, Washington. Collector: O. B. Johnson.

BRYOSTEMMA NUGATOR Jordan and Williams, in: Jordan and Starks 1895, Proc. California Acad. Sci., ser. 2, vol. 5, p. 843, pl. 101.

Syntypes (2): SU 3134; near Seattle, Puget Sound, Washington. Collectors: Young Naturalist's Society. *Syntypes* (3): SU 4337; rock pools on Channel Rocks, Puget Sound, Washington. Collector: Edwin C. Starks; July, 1895.

BRYOSTEMMA OTOHIME Jordan and Snyder 1902, Proc. U.S. Nat. Mus., vol. 25, no. 1293, p. 466, fig. 12.

Holotype: SU 7073; Hakodate, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (29): SU 7099; data exactly as for holotype.

BRYOSTEMMA SAITONE Jordan and Snyder 19 P
U.S. Nat. Mus., vol. 25, no. 129 .
fig. 13.

Holotype: SU 7072; Aomori, Japan. Pre
Stanford by Sotaro Saito, director of
of Aomori.

GYMNOCLINUS CRISTULATUS Gilbert and Bu
Bull. U.S. Bureau Fish., vol. 30
p. 86, fig. 30.

Paratype (1): SU 22358; Nikolski, Beri
North Pacific. Collector: "Albatross";
1906.
Holotype: in the U.S. Nat. Mus.

OPISTHOCENTRUS ZONOPE Jordan and Sny
Proc. U.S. Nat. Mus., vol. 25, no.
485, fig. 21.

Holotype: SU 7077; Mororan, Japan. C
David Starr Jordan and John O. Snyder;
1900. *Paratypes* (27): SU 7098; data e
for holotype.

Family LUMPENIDAE

LUMPENUS FOWLERI Jordan and Snyder 19
U.S. Nat. Mus., vol. 25, no. 129
fig. 28.

Holotype: SU 7079; Kushiro, Japan. Pr
Stanford by Mr. Nozawa of the Sappor
Sapporo, Japan.

LUMPENUS LONGIROSTRIS Evermann and Go.
1907, Bull. U.S. Bureau Fish., v
1906, p. 340, fig. 115.

Paratypes (2): SU 20013; Station 42
(Nose Point, S. 66° E., 1.6 miles); 22
oms. Collector: "Albatross"; July 8, 1
Holotype: U.S. Nat. Mus. 57827.

LUMPENUS MACKAYI Gilbert 1895, Rept.
Fish and Fish., part 19 for 189
pl. 32.

Syntypes (5): SU 3085; seined near t
the Nushagak River, Alaska. Collect
tross"; summer of 1890.

Family MICRODESMIDAE

LEPTOCERDALE LONGIPINNIS Weymouth 1910,
Nat. Mus., vol. 38, no. 1734, p.
1 and 2.

Paratypes (10): SU 21391; vicinity
Louisiana. Collector: Milo H. Spauldi
Holotype: U.S. Nat. Mus. 64157.

Family ZOARCIDAE

HOLLANDI Jordan and Hubbs 1925, Mem. gie Mus., vol. 10, no. 2, p. 323, pl. ig. 2.

(1): SU 23535; near Fukui on the Sea of Collector: Nonaka.
Carnegie Mus. 7952—now at the Chicago Mus.

RTEZIANA Gilbert 1890, Proc. U.S. Nat. vol. 13, no. 797, p. 107.

ratype (1): SU 2780; Station 2925, off alifornia (32° 32' 30" North Latitude, st Longitude); 339 fathoms. Collector: ; January 19, 1889.
Holotype: U.S. Nat. Mus. 46457. While no elected in the original description, Evermann 1898, Bull. U.S. Nat. Mus. No. , p. 3461, give the above U.S. Nat. Mus. the "type"—this amounting to a lectonation.

HANNUS Heller and Snodgrass 1903, Proc. ngton Acad. Sci., vol. 5, p. 224, pl. 19.

: SU 6346; Tagus Cove, Albemarle Island, Archipelago; about 3 fathoms. Collectrt E. Snodgrass and Edmund Heller; 1898-*Patype* (1): SU 7059; South Seymour Isápagos Archipelago; about 3 fathoms. s and date as for holotype.

YS POECILIMON Jordan and Fowler 1902, U.S. Nat. Mus., vol. 25, no. 1303, p. fig. 2.

(1): SU 7933; Station 3768, off Kinkshu Island, in Matsushima Bay, Japan aki, N. 63°, E. 4.25 m.); 25-27 fathoms. "Albatross"; June 5, 1900.
: SU 7121 (this number was given for the the original description) now U.S. Nat. .

MCHATICUS Gilbert and Burke 1912, Bull. Bureau Fish., vol. 30 for 1910, p. 89, 34.

(1): SU 22366; Station 4797, off Avatd1.5 miles off Staritschkof Island, east Kamchatka (52° 37' 30" North Latitude, ast Longitude); 682 fathoms. Collector: "; June 20, 1906.
: in the U.S. Nat. Mus.

IAPTERUS Gilbert 1892, Proc. U.S. Nat. , vol. 14, no. 880, p. 564.

ratypes (2): SU 176; Station 2892, off California (34° 15' North Latitude, 120° Longitude); 284 fathoms. Collector: "Al- January 5, 1889.
olotype: U.S. Nat. Mus. 44385. While no type was selected in the original description, Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 3, p. 2473, give the above U.S. Nat. Mus. number for the "type"—this amounting to a lectotype designation.

LYCODES JORDANI Evermann and Goldsborough 1907, Bull. U.S. Bureau Fish., vol. 26 for 1906, p. 343, fig. 120.

Paratype (1): SU 20014; Station 4267, off Sitka Sound (Cape Edgecumbe, S. 84°, E. 21 miles); 922 fathoms. Collector: "Albatross"; July 31, 1903.
Holotype: U.S. Nat. Mus. 57828.

LYCODES PALEARIS Gilbert 1895, Rept. U.S. Comm. Fish and Fish., part 19 for 1893, p. 454.

Syntype (1): SU 3165; Station 3254, Bristol Bay, Bering Sea (56° 50' North Latitude, 164° 27' 50" West Longitude); 46 fathoms. Collector: "Albatross"; June 14, 1890. *Syntype* (1): SU 3486; Station 3253, Bristol Bay, Bering Sea (57° 05' 50" North Latitude, 164° 27' 15" West Longitude); 36 fathoms. Collector: "Albatross"; June 14, 1890.

LYCONEMA BARBATUM Gilbert 1895, Rept. U.S. Comm. Fish and Fish., part 19 for 1893, p. 471, pl. 35.

Syntypes (5): SU 3627; Station 3129, off central California (36° 39' 40" North Latitude, 122° 01' West Longitude); 204 fathoms. Collector: "Albatross"; March 13, 1890.

MELANOSTIGMA PAMMELAS Gilbert 1895, Rept. U.S. Comm. Fish and Fish., part 19 for 1893, p. 472, pl. 35.

Syntype (1): SU 4000; Station 3126 (3162 in the register), off Central California (36° 49' 20" North Latitude, 122° 12' 30" West Longitude, for Station 3126; 37° 54' 10" North Latitude, 123° 30' West Longitude, for Station 3162); 456 fathoms for Station 3126, 552 fathoms for Station 3162. Collector: "Albatross"; March, 1890.

PETROTYX HOPKINSI Heller and Snodgrass 1903, Proc. Washington Acad. Sci., vol. 5, p. 222, pl. 18.

Holotype: SU 6344; Barrington Island, Galápagos Archipelago. Collectors: Robert E. Snodgrass and Edmund Heller; May, 1899.

Family LYCODAPODIDAE

LYCODAPUS FIERASFER Gilbert 1890, Proc. U.S. Nat. Mus., vol. 13, no. 797, p. 108.

Syntype (1): SU 845; Station 3010, Gulf of California (27° 23' 45" North Latitude, 111° 25' West Longitude); 1005 fathoms. Collector: "Albatross"; March 20, 1889.

LYCODAPUS GROSSIDENS Gilbert 1915, Proc. U.S. Nat. Mus., vol. 48, no. 2075, p. 373.

Paratypes (2): SU 25634; Station 4257, vicinity of Funter Bay, Lynn Canal, southeastern Alaska (Clear Point, N. 63° E., 1.7 miles); 350 fathoms. Collector: "Albatross"; July 23, 1903.
Holotype: U.S. Nat. Mus. 75824.

LYCODAPUS MANDIBULARIS Gilbert 1915, Proc. U.S. Nat. Mus., vol. 48, no. 2075, p. 369, pl. 20, fig. 20.

Paratype (1): SU 22990; Station 4539, 4.8 miles off Point Pinos Light House, Monterey Bay, California; 518-609 fathoms. Collector: "Albatross"; May 31, 1904. *Paratypes* (5): SU 25765; Station 4468, 10.3 miles off Santa Cruz Light House, Monterey Bay, California; 32-309 fathoms. Collector: "Albatross"; May 13, 1904.
Holotype: U.S. Nat. Mus. 75823.

Family BROTULIDAE

BASSOZETUS ELONGATUS Smith and Radcliffe, in: Radcliffe 1913, Proc. U.S. Nat. Mus., vol. 44, no. 1948, p. 157, pl. 11, fig. 4.

Paratype (1): SU 25627; Gulf of Tomini, Celebes ? (the question mark in the register). Collector: "Albatross"; 1909.
Holotype: U.S. Nat. Mus. 74141.

BOTHROCARA REMIGERA Gilbert 1915, Proc. U.S. Nat. Mus., vol. 48, no. 2075, p. 366, pl. 20, fig. 19.

Paratypes (3): SU 22982; Station 4516, 12.5 miles off Point Pinos Light House, Monterey Bay, California; 718-756 fathoms. Collector: "Albatross"; May 24, 1904. *Paratype* (1): SU 22987; data as for the preceding.
Holotype: U.S. Nat. Mus. 75820.

BOTHROCARA ZESTA Jordan and Fowler 1902, Proc. U.S. Nat. Mus., vol. 25, no. 1303, p. 749, fig. 3.

Paratype (1): SU 7256; Station 3696, Sagami Bay, Honshu Island, Japan (Tsurugi Saki Light, S. 80°, W. 4.3 m.); 110-259 fathoms. Collector: "Albatross"; May 4, 1900.
Holotype: U.S. Nat. Mus. 50576.

CATAETYX RUBRIROSTRIS Gilbert 1890, Proc. U.S. Nat. Mus., vol. 13, no. 797, p. 111.

Lecto-paratypes (2): SU 60; Station 2909, off southern California (34° 22' North Latitude, 120° 08' 30" West Longitude); 205 fathoms. Collector: "Albatross"; January 8, 1889.
Lecto-holotype: U.S. Nat. Mus. 44379. While no type was selected in the original description, Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 3, p. 2506, give the above U.S. Nat. Mus. number for the "Type"—this amounting to type designation.

POROGADUS GÜNTHERI Jordan and Fowler 19 U.S. Nat. Mus., vol. 25, no. 1303, fig. 6.

Paratypes (2): SU 7124; Sagami Bay, Jap lectors: David Starr Jordan and John O. summer of 1900. One of these specimens "drawn" label.
Holotype: U.S. Nat. Mus. 50577.

POROGADUS PROMELAS Gilbert 1892, Proc. Mus., vol. 14, no. 880, p. 546.

Syntypes (2): SU 7; Station 3010, Gul ifornia (27° 23' 45" North Latitude, 111° Longitude); 1005 fathoms. Collector: "Al March 20, 1889.

WATASEA SIVICOLA Jordan and Snyder 19 U.S. Nat. Mus., vol. 23, no. 1235 pl. 37.

Holotype: SU 6375; Misaki, Sagami, Jap lector: Dr. Kakichi Mitsukuri.

Family OPHIDIIDAE

LEPTOPHIDIUM EMMELAS Gilbert 1890, Proc. Mus., vol. 13, no. 797, p. 110.

Syntypes (6): SU 192; Station 3007, G ifornia (25° 27' 30" North Latitude, 11 West Longitude); 362 fathoms. Collect tross"; March 17, 1889.

LEPTOPHIDIUM MICROLEPIS Gilbert 1890, Nat. Mus., vol. 13, no. 797, p. 10

Syntypes (5): SU 219; Station 3016, G ifornia (29° 40' North Latitude, 112 Longitude); 76 fathoms. Collector: ", March 24, 1889.

LEPTOPHIDIUM PRORATES Jordan and Bol Proc. U.S. Nat. Mus., vol. 12, 172.

Paratypes (2): SU 445; Panamá. Coll batross"; winter and spring of 1888.
Holotype: U.S. Nat. Mus. 41149.

OPHIDION NOVACULUM Harry 1951, Stanfo logical Bull., vol. 4, no. 1, p.

Holotype: SU 15964; Avalon Bay, Sa Island, southern California; surface over 18 fathoms of water. Collector worth; January 15, 1950.

ASIRO Jordan and Fowler 1902, Proc. Nat. Mus., vol. 25, no. 1303, p. 752, 4.

: SU 7123; Misaki, Japan. Presented to by the Imperial University of Tokyo.

'amily CARAPIDAE (FIERASFERIDAE)

HIS JORDANI Heller and Snodgrass 1903, Washington Acad. Sci., vol. 5, p. 220, 7.

: SU 6345; Tagus Cove, Albemarle Island, Archipelago. Collectors: Robert E. and Edmund Heller; 1898-1899.

UMBRATILIS Jordan and Evermann 1903, U.S. Fish Comm., vol. 22 for 1902, p.

e (1): SU 7470; Hilo, Hawaiian Islands. s: David Starr Jordan and Barton W. Ever- 1.

e: U.S. Nat. Mus. 50656.

Family AMMODYTIDAE

MITSUKURII Jordan and Evermann 1902, Proc. U.S. Nat. Mus., vol. 25, no. 1289, p. 33, fig. 12.

e: SU 7133; Giran, Formosa. Collector: Tsunasuke Tada.

Family CALLIONYMIDAE

LLIONYMUS MIRUS Herre 1936, Proc. Biol. Soc. Washington, vol. 49, p. 12.

e: SU 30978; north coast of Celebes (label gives Lembeh Strait). Collector: Albert Herre; June 14, 1929.

NUS BENITEGURI Jordan and Snyder 1900, Proc. U.S. Nat. Mus., vol. 23, no. 1213, p. 30, pl. 17.

ypes (3): SU 6278; Bay of Tokyo, Japan. r: Keinosuke Otaki; 1895-1896.
e: U.S. Nat. Mus. 49402.

NUS CAERULEONOTATUS Gilbert 1905, Bull. S. Fish Comm., vol. 23 for 1903, part 2, 648, pl. 89.

ypes (4): SU 8629; Hawaiian Islands. Col- "Albatross"; March-August, 1902.
ype: U.S. Nat. Mus. 51603.

CALLIONYMUS CALLISTE Jordan and Fowler 1903, Proc. U.S. Nat. Mus., vol. 25, no. 1305, p. 954, fig. 8.

Holotype: SU 7188; rock pools of Misaki, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratype* (1): SU 7945; data exactly as for holotype. *Paratype* (1): SU 7742; data exactly as for holotype.

CALLIONYMUS DISTETHONMATUS Fowler 1941, Proc. U.S. Nat. Mus., vol. 90, no. 3106, p. 18, fig. 11.

Paratype (1): SU 40196; Cebú market, Philippine Islands. Collector: "Albatross"; March 28, 1909. This specimen was formerly U.S. Nat. Mus. 99431.
Holotype: U.S. Nat. Mus. 99426.

CALLIONYMUS FIMBRIATUS Herre 1934, The Fishes of the Herre Philippine Expedition of 1931, Newspaper Enterprise Ltd., Hong Kong, p. 94.

Holotype: SU 25516; Sitankai Reef, Sulu Province, Philippine Islands. Collector: Albert W. C. T. Herre; August, 1931.

CALLIONYMUS FLAGRIS Jordan and Fowler 1903, Proc. U.S. Nat. Mus., vol. 25, no. 1305, p. 952, fig. 7.

Holotype: SU 7187; Tsuruga, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (40): SU 7741; data exactly as for holotype. *Paratype* (1): SU 7141; Kobe, Japan. Collectors and date as for holotype. *Paratypes* (64): SU 7747; Aomori, Japan. Collectors and date as for holotype. *Paratypes* (22): SU 4624; Tokyo, Japan. Collector: Keinosuke Otaki.

CALLIONYMUS KITAHARAE Jordan and Seale 1906, Proc. U.S. Nat. Mus., vol. 30, no. 1445, p. 148, fig. 6.

Holotype: SU 9261; harbor of Nagasaki, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900.

CALLIONYMUS LEUCOBRANCHIALIS Fowler 1941, Proc. U.S. Nat. Mus., vol. 90, no. 3106, p. 19, figs. 12 and 13.

Paratypes (2): SU 40197; Manila Bay, Luzón, Philippine Islands. Collector: "Albatross"; December 12, 1908. These specimens were formerly U.S. Nat. Mus. 99401.
Holotype: U.S. Nat. Mus. 99393.

CALLIONYMUS RUBROVINCTUS Gilbert 1905, Bull. U.S. Fish Comm., vol. 23 for 1903, part 2, p. 650, fig. 252.

Paratypes (2): SU 8567; Station 3847, off the south coast of Molokai Island, Hawaiian Islands (Lae-o Ka Light, N. 64° 30', W. 23'); 23-24 fathoms. Collector: "Albatross"; April 8, 1902.
Holotype: U.S. Nat. Mus. 51580.

CALLIONYMUS VIRGIS Jordan and Fowler 1903, Proc. U.S. Nat. Mus., vol. 25, no. 1305, p. 957, fig. 9.

Holotype: SU 7189; Misaki, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900.

CALLIONYMUS WILBURI Herre 1935, Field Mus. Nat. Hist., Publ. 335, zool. ser., vol. 18, no. 12, p. 431.

Paratypes (2): SU 26393; reef on the south coast of Waigiu Island, near Majalibit Inlet. Collector: Albert W. C. T. Herre on the Crane Pacific Expedition; June 8, 1929.
Holotype: Chicago Nat. Hist. Mus. 17491.

CALLIONYMUS ZASPILUS Herre 1933, Copeia, no. 1, p. 24.

Holotype: SU 25515; Sitankai, Sibutu Islands, Sulu Archipelago, Philippine Islands. Collector: Albert W. C. T. Herre; August 7, 1931.

CALLIURICHTHYS DECORATUS Gilbert 1905, Bull. U.S. Fish Comm., vol. 23 for 1903, part 2, p. 651, pl. 90.

Paratypes (4): SU 8632; Hawaiian Islands. Collector: "Albatross"; March-August, 1902.
Holotype: U.S. Nat. Mus. 51609.

CALLIURICHTHYS DORYSSUS Jordan and Fowler 1903, Proc. U.S. Nat. Mus., vol. 25, no. 1305, p. 945, fig. 4.

Holotype: SU 7186; Nagasaki, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (21): SU 7745; data exactly as for holotype. *Paratypes* (3): SU 7941; Wakanoura, Japan. Collectors and date as for holotype.

DRACULO MIRABILIS Snyder 1911, Proc. U.S. Nat. Mus., vol. 40, no. 1836, p. 545.

Paratype (1): SU 21429; seined on sandy beach near Tomakomai in Hokkaido, Japan. Collectors: John O. Snyder and Michitaro Sindo; 1906.
Holotype: U.S. Nat. Mus. 68243.

Family ACANTHURIDAE

CALLICANTHUS METOPOSOPHRON Jenkins 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 481, fig. 31.

Paratype (1): SU 7727; Honolulu, Hawaiian Islands. Collector: Oliver P. Jenkins; 1889.
Holotype: U.S. Nat. Mus. 50706.

TEUTHIS ATRIMENTATUS Jordan and Evermann 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 198.

Paratypes (2): SU 7482; Honolulu, Haw lands. Collectors: David Starr Jordan a W. Evermann; 1901.
Holotype: U.S. Nat. Mus. 50673.

TEUTHIS CRESTONIS Jordan and Starks, in 1895, Proc. California Acad. Sci., vol. 5, p. 485, pl. 47.

Syntypes (6): SU 2899; in the astille rocky places about the islands at Mazat loa, México. Collectors: David Starr party on the Hopkins Expedition; December January 25, 1895.

TEUTHIS GÜNTHERI Jenkins 1903, Bull. Comm., vol. 22 for 1902, p. 477, fig

Paratypes (8): SU 23329; Honolulu, Haw lands. Collector: Oliver P. Jenkins; 188
Holotype: U.S. Nat. Mus. 50842 (mistake logued as SU 24064).

TEUTHIS LEUCOPAREIUS Jenkins 1903, Bull. Comm., vol. 22 for 1902, p. 476, fig

Paratypes (3): SU 23324; Honolulu, Haw lands. Collector: Oliver P. Jenkins; 188
types (5): SU 23327; data as for the prec
Holotype: U.S. Nat. Mus. 50712.

XESURUS HOPKINSI Gilbert and Starks 19 California Acad. Sci., vol. 4, p. 25, fig. 48.

Holotype: SU 12671; Panamá. Collectors H. Gilbert et al; 1896.

Family GEMPYLIDAE

JORDANIDIA RAPTORIA Snyder 1911, Proc. Mus., vol. 40, no. 1836, p. 527.

Paratypes (3): SU 21419; market at Ke Japan. Collectors: John O. Snyder and Sindo; 1906.
Holotype: U.S. Nat. Mus. 68228.

Family SCOMBRIDAE

PNEUMATOPHORUS PERUANUS Jordan and Hub Mem. Carnegie Mus., vol. 10, no. 2,

Syntypes (2): SU 6218; Bay of Callao, Pe lector: Admiral Lester A. Beardslee. The of types in the original description is lows: "Type-specimen 201 mm. long to th fin, from the Bay of Callao, Perú; coll the late Admiral L. A. Beardslee; Cat. Stanford University Collection, C. M. Ca No. 7847. Paratypes....."There is no way ing which of these numbers belongs to the

: there are two specimens in the Stanford
specimens are considered as syntypes
viser determines the 201-mm. specimen.
Ann. Carnegie Mus., vol. 19, no. 1, p.
Carnegie Mus. 7847 as type, considering
ne 201-mm. specimen. If this is true,
ord specimens are paratypes, but all
should be carefully measured before a
sion is made.

RUS SIERRA Jordan and Starks 1895, Proc.
ornia Acad. Sci., ser. 2, vol. 5, p.

: SU 11720; harbor at Mazatlán, Sinaloa,
collectors: David Starr Jordan and party
lokins Expedition; December 24, 1894-
, 1895.

Family STROMATEIDAE

RIDA Jordan and Snyder 1904, Proc. U.S.
Mus., vol. 27, no. 1377, p. 943.

(1): SU 8441; Honolulu, Hawaiian Is-
llector: E. L. Berndt.
: U.S. Nat. Mus. 51400.

IS CRASSUS Starks 1906, Proc. U.S. Nat.
vol. 30, no. 1468, p. 784, fig. 8.

(1): SU 9590; Callao, Perú. Collector:
Simons; winter of 1898 and 1899.
: U.S. Nat. Mus. 53465.

SNYDERI Gilbert and Starks 1904, Mem.
ornia Acad. Sci., vol. 4, p. 87, pl. 12,
23.

: SU 6800; market at Panamá. Collectors:
. Gilbert et al; January 10-February 24,
Paratypes (2): SU 7009; data exactly as for

LUS HEATHII Gilbert 1904, Proc. Califor-
Acad. Sci., ser. 3, zoology, vol. 3, no.
260, pl. 26.

: SU 7442; Monterey Bay, Pacific Grove,
a. Collector: Harold Heath; July 18,

S PALOMETA Jordan and Bollman 1890, Proc.
Nat. Mus., vol. 12, no. 770, p. 156.

es (4): SU 434; Station 2804, off Panamá
0" North Latitude, 79° 37' 45" West Long-
7 fathoms. Collector: "Albatross"; March

e: U.S. Nat. Mus. 41136.

Family ELEOTRIDAE

ALEXURUS ARMIGER Jordan 1895, Proc. California Acad. Sci., ser. 2, vol. 5, p. 511, pl. 48.

Holotype: SU 3455; harbor of La Paz, Baja California, México. Collector: James A. Richardson; December 24, 1894-January 25, 1895.

AMBLYELEOTRIS (ANDAMELEOTRIS) RAOI Herre 1939, Records Indian Mus., vol. 41, part 4, p. 346.

Paratypes (17): SU 37149; west coast of Guitar Island, Middle Andaman. Collector: H. S. Rao; March 22, 1934.
Holotype: in the Indian Museum.

ANDAMELEOTRIS PALUSTRIS Herre 1945, Copeia, no. 1, p. 2.

Holotype: SU 36808; pool in a nipa swamp, near the fisheries station, Zamboanga, Philippine Islands. Collector: Albert W. C. T. Herre; September 10, 1940. *Paratypes* (3): SU 36809; data exactly as for holotype. *Paratype* (1): SU 18473; data exactly as for holotype.

ASTERROPTERYX ABAX Jordan and Snyder 1901, Proc. U.S. Nat. Mus., vol. 24, no. 1244, p. 40, fig. 2.

Holotype and *23 paratypes*: SU 6445 (the bottle label gives also 9784, the two lots evidently having been mixed); Misaki, Sagami, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. One of the above specimens bears a "drawn" label and no number, while all the others are numbered 9784. It is probable that the drawn specimen is the holotype, no. 6445. The Stanford register states that 6445 was collected by the Anderson brothers. **Paratypes* (6): SU 6652; Misaki, Sagami, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900.

BORODA MALUA Herre 1935, Field Mus. Nat. Hist., pub. 335, zool. ser., vol. 18, no. 12, p. 414.

Paratype (1): SU 24446; Malu, a village on the upper Sepik River, New Guinea, 230 miles from the sea. Collector: Albert W. C. T. Herre on the Crane Pacific Expedition; May 16, 1929.
Holotype: Chicago Nat. Hist. Mus. 17349.

BUNAKA STICTA Herre 1942, Stanford Ichthyological Bull., vol. 2, no. 4, p. 119.

Holotype: SU 36534; Tagaloan River, at Tagaloan, Oriental Misamis Province, Mindanao, Philippine Islands. Collector: Albert W. C. T. Herre; August 21, 1940.

ELEOTRIS ABACURUS Jordan and Gilbert, in: Jordan 1896, Proc. California Acad. Sci., ser. 2, vol. 6, p. 228.

Holotype: SU 2009; harbor of Charleston, South Carolina. Collector: Charles H. Gilbert.

ELEOTRIS ANDAMENSIS Herre 1939, Records Indian Mus., vol. 41, part 4, p. 344.

Holotype: SU 37152; stream near Machligaon, Port Blair, South Andaman. Collector: Zoological Survey of India; October, 1934. *Paratypes* (3): SU 16968; these specimens are in two vials within the bottle as follows: 1 specimen from around Phoenix Bay, Port Blair, South Andaman. Collector: Zoological Survey of India. 2 specimens from a freshwater stream north of the wireless station, Port Blair, South Andaman. Collector: H. S. Rao; November 26, 1934.

ELEOTRIS CARVALHONIS Starks 1913, The Fishes of the Stanford Expedition to Brazil, Leland Stanford Jr. Univ. Publ., Univ. Ser., p. 65, pl. 9.

Holotype: SU 22215; Lake Papary, Brazil. Collector: Edwin C. Starks on the Stanford Expedition to Brazil; summer of 1911. *Paratypes* (5): SU 22208; data as for holotype. While no single specimen was designated as holotype in the descriptive portion of the paper, Prof. Starks refers to the figured specimen as "Type" on pl. 9. This is here considered type designation.

ELEOTRIS TUBULARIS Heller and Snodgrass 1903, Proc. Washington Acad. Sci., vol. 5, p. 210, pl. 10.

Holotype: SU 6348; Cocos Island, Costa Rica. Collectors: Robert E. Snodgrass and Edmund Heller; July, 1899.

ENCAEURA EVIDES Jordan and Hubbs 1925, Mem. Carnegie Mus., vol. 10, no. 2, p. 303, pl. 11, fig. 2.

Paratype (1): SU 23551; Wakanoura, Japan. Collector: Prof. S. Yamamoto; 1922.
Holotype: Carnegie Mus. 7931—now at the Chicago Nat. Hist. Mus.

EVIOTA AFELEI Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 387, fig. 77.

Paratypes (7): SU 8715; Apia, Samoa. Collectors: David Starr Jordan et al; summer of 1902. One of these specimens is segregated in a vial within the bottle and bears a "drawn" label.
Holotype: U.S. Nat. Mus. 51763.

EVIOTA DISTIGMA Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 389, fig. 79.

**Paratype* (1): SU 8710; Pago Pago, Samoa. Collectors: David Starr Jordan et al; summer of 1902. This specimen bears a "drawn" label.
Holotype: U.S. Nat. Mus. 51767.

EVIOTA EPIPHANES Jenkins 1904, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 501, fig. 42.

Paratypes (6): SU 8707; Honolulu, Hawaiian Islands. Collector: Oliver P. Jenkins; s
1889.
Holotype: U.S. Nat. Mus. 50720.

EVIOTA PERSONATA Jordan and Thompson 19
U.S. Bureau Fish., vol. 24 for 1904,
fig. 3.

Holotype: SU 8410; reef at Garden Key,
tugas, Florida. Collector: Joseph C. Tho

EVIOTA PRUINOSA Jordan and Seale 1906, B
Bureau Fish., vol. 25 for 1905, p.
82.

Paratype (1): SU 8705; Pago Pago, Sam
lectors: David Starr Jordan et al; summer
Holotype: U.S. Nat. Mus. 51779.

EVIOTA SMARAGDUS Jordan and Seale 1906, B
Bureau Fish., vol. 25 for 1905, p.
78.

Paratypes (8): SU 8712 (no. 8854 als
cluded in this bottle); Pago Pago, Samoa.
tors: David Starr Jordan et al; summer
One of these specimens is in a vial w
bottle and bears a "drawn" label.
Holotype: U.S. Nat. Mus. 51764.

EVIOTA ZONURA Jordan and Seale 1906, B
Bureau Fish., vol. 25 for 1905, p.
75.

**Paratypes* (21): SU 8709; Apia, Samoa.
tors: David Starr Jordan et al; summer
Holotype: U.S. Nat. Mus. 51776.

FAGASA DIAPHANA Harry 1949, Journ. W.
Acad. Sci., vol. 39, no. 4, p. 143.

Holotype: SU 14894; mouth of small
stream near Lengo, north coast of Guada
land, Solomon Islands. Collector:
Pendleton; May 20, 1944. *Paratypes* (70
data exactly as for holotype. *Paratyp*
14896; entering creek, one mile west
River (from salt water), north coast
canal Island, Solomon Islands. Collecto
as for holotype.

HETERELEOTRIS ARENARIUS Snyder 1908,
Nat. Mus., vol. 35, no. 1635, p. 1

Paratypes (2): SU 21104; Tanegashi
Collectors: John O. Snyder and Michitar
Holotype: U.S. Nat. Mus. 62237.

HETERELEOTRIS CLARA Jordan and Seale 1
U.S. Bureau Fish., vol. 25 for 19
pl. 36, fig. 2.

Paratype (1): SU 8711; Pago Pago, Sa
lectors: David Starr Jordan et al; sum
Holotype: U.S. Nat. Mus. 51773.

IS RAJI Herre 1945, Journ. Washington Sci., vol. 35, no. 12, p. 401.

: SU 39863; Adyar River, Madras, India. Albert W. C. T. Herre; January 4, 1941.

ELEWENSIS Herre 1936, Philippine Journ. vol. 59, no. 2, p. 276, pl. 1, fig. 1.

: SU 29074; freshwater brook on a small he Pelew Islands. Collector: Albert W. e; October 18, 1933.

RIS NASUGBUA Herre 1938, Stanford Ich- logical Bull., vol. 1, no. 2, p. 60, 1.

: SU 32974; tide pool at Nasugbú, Batan- ce, Luzon, Philippine Islands. Collec- W. C. T. Herre; December 11, 1936.

HPNUS TERNETZI Myers 1927, Bull. Mus. Zool. Harvard, vol. 48, no. 3, p. 134.

(2): SU 18080; Caño de Quiribana, Río enezuela. Collector: Carl Ternetz; May,

DUS SERRIFRONS Rutter 1897, Proc. Acad. t Sci. Philadelphia, p. 84.

e: SU 4995; Swatow, China. Collector: Fielde; sent to the University of Indiana from which it was purchased later by r when still unworked.

RIS ANDAMENSIS Herre 1939, Records Indian , vol. 41, part 4, p. 345.

es (2): SU 37166; sandy bottom between Curlew Island, Stewart Sound, North Collector: H. S. Rao; January 24, 1935. e: in the Indian Museum.

IS SACCHARAE Herre 1940, Philippine Journ. , vol. 73, no. 3, p. 293.

e: SU 34384; New Territory, Hong Kong, ollector: E. B. Sugars; 1938.

NNEA NIGRO-MACULATA Herre 1932, Lingnan Journ., vol. 11, no. 3, p. 439.

e: SU 25726; Canton, China. Collector: C. T. Herre; September, 1931.

NNEA VIOLIFERA Jordan and Seale 1906, . U.S. Bureau Fish., vol. 25 for 1905, 383, pl. 52, fig. 2.

es (12): SU 8703 and 9110 (mixed); Apia, the Island of Negros, Philippine Islands. s: David Starr Jordan et al during the 1902 (the Apia specimens); Bashford Dean (the Philippine specimens). The Negros specimens were originally no. 9110.
Holotype: U.S. Nat. Mus. 51771.

VIREOSA HANAE Jordan and Snyder 1901, Proc. U.S. Nat. Mus., vol. 24, no. 1244, p. 38, fig. 1.

Holotype: SU 6444; off Misaki, Japan. Collector: Prof. Kakichi Mitsukuri.

Family GOBIIDAE

ABOMA ALICIAE Herre 1936, Bull. Raffles Mus., no. 12, p. 10, pl. 7.

Holotype: SU 30952; from a reef in Singapore harbor, Straits Settlements. Collector: Albert W. C. T. Herre; March 19, 1934.

ABOMA ETHEOSTOMA Jordan and Starks, in: Jordan 1895, Proc. California Acad. Sci., ser. 2, vol. 5, p. 497, pl. 50.

Holotype: SU 3459; from the mud on a shallow bottom in the astillero, Mazatlán, Sinaloa, México. Collectors: David Starr Jordan and party on the Hopkins Expedition; December 24, 1894-January 25, 1895.

ABOMA SNYDERI Jordan and Fowler 1902, Proc. U.S. Nat. Mus., vol. 25, no. 1298, p. 575, fig.

Holotype (plus 2 other specimens): SU 7193; Aomori, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. The above catalog number was that given in the original description as belonging to the holotype; however, the bottle contains 3 specimens. It will be left to someone working on the group to make a decision with regard to this problem.

ABOMA TSUSHIMAE Jordan and Snyder 1901, Proc. U.S. Nat. Mus., vol. 23, no. 1235, p. 759.

Paratypes (2): SU 6377; Sasuna, Tsushima, Japan. Collector: Pierre L. Jouy.
Holotype: U.S. Nat. Mus. 45351.

AMBLYGOBIUS ESAKIAE Herre 1939, Annot. Zool. Japonenses, vol. 18, no. 4, p. 306.

Holotype: SU 37314; from a tide pool at the edge of the mangroves on Gorror, Pelew Islands. Collector: T. Esaki; February 2, 1938.

AMBLYGOBIUS NARAHARAE Snyder 1908, Proc. U.S. Nat. Mus., vol. 35, no. 1635, p. 101.

Paratypes (2): SU 21105; Naha, Okinawa, Japan. Collectors: John O. Snyder and Michitaro Sindo.
Holotype: U.S. Nat. Mus. 62239.

AMBLYBOGIUS SHATINENSIS Herre 1936, Hong Kong Naturalist, vol. 7, no. 2, p. 184.

Holotype: SU 31757; New Territories, Sha Tin, Hong Kong, China. Collector: G. A. C. Herklots; November 28, 1932.

APARRIUS AUROCINGULUS Herre 1935, Field Mus. Nat. Hist., publ. 335, zool. ser., vol. 18, no. 12, p. 425.

Paratypes (2): SU 24430; from a pool on a reef west of Ovalau Island, Fiji Archipelago. Collector: Albert W. C. T. Herre on the Crane Pacific Expedition; March 20, 1929.
Holotype: Chicago Nat. Hist. Mus. 17353.

ASTRABE LACTISELLA Jordan and Snyder 1901, Proc. U.S. Nat. Mus., vol. 24, no. 1244, p. 119, fig. 26.

Holotype: SU 6460; rock pools near Misaki, Sagami, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900.

ATUONA TRICUSPIDATA Herre 1935, Field Mus. Nat. Hist., publ. 335, zool. ser., vol. 18, no. 12, p. 429.

Paratypes (7): SU 24424; Atuona, Hiva Oa Island, Marquesas. Collector: Albert W. C. T. Herre on the Crane Pacific Expedition; February 5, 1929.
Holotype: Chicago Nat. Hist. Mus. 17356.

AWAOUS NELSONI Evermann 1898, Proc. Biol. Soc. Washington, vol. 12, p. 2.

Paratype (1): SU 5793; Rosario River at Rosario, Sinaloa, México. Collector: Edward W. Nelson; July 27, 1897.
Holotype: U.S. Nat. Mus. 48836.

BOLLMANIA CHLAMYDES Jordan and Bollman 1890, Proc. U.S. Nat. Mus., vol. 12, no. 770, p. 164.

Lecto-paratypes (9): SU 489; Station 2805, off Ecuador (7° 56' North Latitude, 79° 41' 30" West Longitude); 51.5 fathoms. Collector: "Albatross"; March 30, 1888.
Lecto-holotype: U.S. Nat. Mus. 93825, designated as such by Ginsburg 1939, Journ. Washington Acad. Sci., vol. 29, no. 2, p. 58.

BOLLMANIA MACROPOMA Gilbert 1892, Proc. U.S. Nat. Mus., vol. 14, no. 880, p. 556.

Syntypes (6): SU 81; Station 2996, Gulf of California (24° 30' 15" North Latitude, 110° 29' West Longitude); 112 fathoms. Collector: "Albatross"; March 16, 1889.

BOLLMANIA OCELLATA Gilbert 1892, Proc. U.S. Nat. Mus., vol. 14, no. 880, p. 555.

Lecto-paratypes (8): SU 76; Station 3035, Gulf of California (30° 21' North Latitude, 114° 25' 15" West Longitude); 30 fathoms. Collect· tross"; March 27, 1889.
Lecto-holotype: U.S. Nat. Mus. 1072· nated as such by Ginsburg 1939, Journ. Acad. Sci., vol. 29, no. 2, p. 60.

BOLLMANIA STIGMATURA Gilbert 1892, Proc. Mus., vol. 14, no. 880, p. 556.

Syntypes (31): SU 10; Station 3017, G ifornia (29° 54' 30" North Latitude, 11 Longitude); 58 fathoms. Collector: "A March 24, 1889.

BRACHYGOBIUS AGGREGATUS Herre 1940, Journ. Sci., vol. 72, no. 4, p. 361

Lecto-holotype: SU 32990; Dumaguete Negros Province, Philippine Islands. Albert W. C. T. Herre; December 26, Herre's designation of type specimens proper one: "Described from two female and 14 mm. long, and a male type, 11.5 from Dumaguete,...One hundred paratypes mm. long, were also taken at the same 11.5-mm. male is here designated lectot species, and Dr. Herre's 13.5- and 14- "types" are called lecto-allo-paratype *allo-paratypes* (2): SU 18082; data exac the preceding. *Lecto-paratypes* (122): data exactly as for preceding. *Lecto* (61): SU 32992; tiny pools in a mangr which were brackish part of the time, Kat British North Borneo. Collector as abo ary 5 and 6, 1937 (the Stanford Regis February 3).

BRACHYGOBIUS XANTHOMELAS Herre 1937, Bu Mus., no. 13, part 1, p. 43, pl. 4.

Holotype: SU 30953; 55 miles north of in wayside ditches of fresh water, trict, Johore, Malaya. Collector: Albe Herre; March 20, 1934. *Paratypes* (24): data exactly as for holotype.

CALAMIANA MAGNORIS Herre 1945, Proc. Washington, vol. 58, p. 80.

Holotype: SU 39881; Coron, Busuanga, Islands. Collector: Albert W. C. T. H 1, 1940.

CARAGOBIUS TYPHLOPS Smith and Seale 1 Biol. Soc. Washington, vol. 19, p.

Paratype (1): SU 20008; Rio Grande on of Mindanao, Philippine Islands. Coll Morse; October, 1903.
Holotype: U.S. Nat. Mus. 55619.

CHAETURICHTHYS SCIISTIUS Jordan and St Proc. U.S. Nat. Mus., vol. 24, n 107, fig. 22.

Holotype: SU 6458; Hakodate, Hokkai

David Starr Jordan and John O. Snyder; 1900. **Paratypes* (9): SU 6654; data for holotype. *Paratypes* (7): SU 6629; .n. Collectors and date as above. *Para-* SU 6628; Tsuruga, Japan. Collectors above. *Paratypes* (6): SU 6632; Aomori, llectors and date as above.

ISAKIUS Jordan and Snyder 1901, Proc. Nat. Mus., vol. 23, no. 1235, p. 761, 6.

: SU 6484; Misaki, Sagami, Japan. Col- David Starr Jordan and John O. Snyder; 1900. *Paratypes* (16): SU 6575; data for holotype.

MORANA Jordan and Snyder 1901, Proc. U.S. Mus., vol. 24, no. 1244, p. 80, fig. 14.

: SU 6452; Mororan, Hokkaido, Japan. : David Starr Jordan and John O. Snyder; 1900. *Paratypes* (10): SU 6661; data for holotype. *Paratypes* (73): SU 22014; exactly as for holotype. *Paratypes* (2): SU , Japan. Collectors and date as above. (19): SU 6619; Matsushima Bay, Japan. and date as above.

NAMURAE Jordan and Richardson 1907, Proc. Nat. Mus., vol. 33, no. 1570, p. 265, 3.

: SU 20163; Nagaoka, in Echigo, Japan. Masao Nakamura.

RCHYNNIS Jordan and Snyder 1901, Proc. Nat. Mus., vol. 24, no. 1244, p. 82, 15.

: SU 6463; Wakanoura, Japan. Collectors: Starr Jordan and John O. Snyder; summer of *Paratypes* (4): SU 6653; data exactly as for

FISHERI Herre 1942, Stanford University ns., Univ. Ser., Biol. Sci., vol. 7, no. . 13.

: SU 37262; off Barbados, British West fathoms. Collector: Walter K. Fisher; 1918.

COSMURUS Jordan and Snyder 1901, Proc. Nat. Mus., vol. 24, no. 1244, p. 121, 27.

: SU 6461; Misaki, Sagami, Japan. Col- David Starr Jordan and John O. Snyder; 1900.

EXILIS Snyder 1911, Proc. U.S. Nat. Mus., 40, no. 1836, p. 544.

(3): SU 21428; Tanegashima, Japan. Collectors: John O. Snyder and Michitaro Sindo. *Holotype*: U.S. Nat. Mus. 68242.

CORONOGOBIUS STRIATUS Herre 1945, Proc. Biol. Soc. Washington, vol. 58, p. 81.

Holotype: SU 39854; among the coral heads of the little dock at Coron, Busuanga, Philippine Islands. Collector: Albert W. C. T. Herre; June 22, 1940.

COTYLOPUS COCOENSIS Heller and Snodgrass 1903, Proc. Washington Acad. Sci., vol. 5, p. 211, pl. 11.

Holotype: SU 6347; Cocos Island, Costa Rica. Collectors: Robert E. Snodgrass and Edmund Heller; July, 1899. *Paratypes* (2): SU 7063; streams about Chatham Bay, Cocos Island, Costa Rica. Collectors: as above; 1898-1899.

CREISSON VALIDUS Jordan and Seale 1907, Bull. U.S. Bureau Fish., vol. 26 for 1906, p. 43, fig. 16.

Holotype: SU 9251; Cavite, Philippine Islands. Collector: George A. Lung; summer of 1900.

CRYPTOCENTRUS CHENI Herre 1933, Lingnan Sci. Journ., vol. 12, no. 3, p. 429.

Holotype: SU 25494; Island of Hainan, China. Collector: Johnson Chen; August, 1928.

CRYPTOCENTRUS CINGULATUS Herre 1934, Lingnan Sci. Journ., vol. 13, no. 2, p. 291.

Holotype: SU 30954; the Stanford register states "Heung Chow, Kwangtung Province, China. Collector: Albert W. C. T. Herre; March, 1933." The description states "the type, taken from a tide pool in 1930, by the Fisheries Experiment Station, near Masao, is in the Museum of Stanford."

CRYPTOCENTRUS GENIORNATUS Herre 1935, Field Mus. Nat. Hist., publ. 335, zool. ser., vol. 18, no. 12, p. 428.

Paratype (1): SU 24465; Waigiu Island. Collector: Albert W. C. T. Herre on the Crane Pacific Expedition; June 6, 1929. (Label in bottle saying "drawn".)
Holotype: Chicago Nat. Hist. Mus. 17364.

CRYPTOCENTRUS SERICUS Herre 1932, Lingnan Sci. Journ., vol. 11, no. 3, p. 440.

Holotype: SU 25725; market at Canton, China. Collector: Albert W. C. T. Herre; September, 1931.

CTENOGOBIUS ABEI Jordan and Snyder 1901, Proc. U.S. Nat. Mus., vol. 24, no. 1244, p. 55, fig. 5.

Holotype: SU 6447; Wakanoura, Kii, Japan. Col-

lectors: David Starr Jordan and John O. Snyder; summer of 1900.

CTENOGOBIUS ANDHRAENSIS Herre 1944, Proc. Biol. Soc. Washington, vol. 57, p. 47.

Holotype: SU 39850; in the surf on the beach (description states "among the rocks on the beach") at Vizagapatam, India. Collector: Albert W. C. T. Herre; December 20, 1940. *Paratypes* (25): SU 39851; data exactly as for holotype.

CTENOGOBIUS CALAMIANENSIS Herre 1934, The Fishes of the Herre Philippine Expedition of 1931, Newspaper Enterprise Ltd., Hong Kong, p. 83.

Holotype: SU 26388; tide pool on an islet in Culión harbor, Philippine Islands. Collector: Albert W. C. T. Herre; May 3, 1931. *Paratype* (1): SU 16960; data exactly as for holotype.

CTENOGOBIUS CAMPBELLI Jordan and Snyder 1901, Proc. U.S. Nat. Mus., vol. 24, no. 1244, p. 62, fig. 8.

Holotype: SU 6450; Wakanoura, Kii, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900.

CTENOGOBIUS CHUSANENSIS Herre 1940, Philippine Journ. Sci., vol. 73, no. 3, p. 295, pl. 1.

Holotype: SU 32995; puddle in a mudbank exposed at low tide on an islet across the tidal stream from Tinghai, Chusan Island, China. Collector: Albert W. C. T. Herre; October 10, 1936. *Paratypes* (2): SU 32996; data exactly as for holotype.

CTENOGOBIUS CULIONENSIS Herre 1934, The Fishes of the Herre Philippine Expedition of 1931, Newspaper Enterprise Ltd., Hong Kong, p. 84.

Holotype: SU 26387; among rocks in Culion harbor, Philippine Islands. Collector: Albert W. C. T. Herre; May 3, 1931.

CTENOGOBIUS DUOSPILUS Herre 1935, Hong Kong Naturalist, vol. 6, nos. 3 and 4, p. 286.

Holotype: SU 30955; brook in the hills of the New Territory, Hong Kong, China. Collector: Albert W. C. T. Herre; March 3, 1934. *Paratype* (1): SU 16965; data exactly as for holotype.

CTENOGOBIUS HADROPTERUS Jordan and Snyder 1901, Proc. U.S. Nat. Mus., vol. 24, no. 1244, p. 60, fig. 7.

Holotype: SU 6449; Nagasaki, Hizen, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (19): SU 6663; data exactly as for holotype. *Paratypes* (6): SU 6551; Kurume, Japan. Collectors and date as for the holotype.

CTENOGOBIUS HENRYI Herre 1938, Lingnan Sci. Journ., vol. 17, no. 3, p. 434, fig. 3.

Holotype: SU 32993; clear stream wit... tom at Mui-yen, Lung-Nga Mountain, Kwa... ince, China. Collector: K. C. Yeung ... Chan; January 20, 1929. *Paratypes* (4 ... data exactly as for holotype. *Paratypes* ... 32997; clear gravelly mountain strea... Wu monastery, Kwangtung Province, Chin... tor: Albert W. C. T. Herre; November 2...

CTENOGOBIUS KRANJIENSIS Herre 1940, Bu... Mus., no. 16, p. 22, pl. 17.

Holotype: SU 32999; a small stream, ... draining a mangrove swamp on the nor... Singapore Island. Collector: Alber... Herre; March 10, 1937. *Paratypes* (12) ... data exactly as for holotype.

CTENOGOBIUS LEAVELLI Herre 1935, Li... Journ., vol. 14, no. 3, p. 396.

Holotype and 54 *paratypes*: SU 29077; ... in stream beds in hill streams arou... Kwangsi Province, China. Collector: A... T. Herre; February 15, 1934. The holo... separable with certainty from this co... paratypes. However, there are two spe... vial within the bottle, one of which ... the holotype.

CTENOGOBIUS LINI Herre 1934, Lingnan S... vol. 13, no. 2, p. 289.

Holotype and 3 *paratypes*: SU 29089; ... Wuchow, Kwangsi Province, China. Col... bert W. C. T. Herre; February 12, 1934. ... type is not immediately separable fro... paratypes in the same bottle.

CTENOGOBIUS MALEKULAE Herre 1935, Fiel... Hist., publ. 335, zool. ser., v... 12, p. 423.

Paratype (1): SU 24434; Bushman Ba... Island, New Hebrides. Collector: Albe... Herre on the Crane Pacific Expediti... 1929.
Holotype: Chicago Nat. Hist. Mus. 17...

CTENOGOBIUS MYXODERMUS Herre 1935, L... Journ., vol. 14, no. 3, p. 395.

Holotype and 16 *paratypes*: SU 29075; ... very small fish ponds, mud puddles, ... ditches about Lingnan University, Ho... Canton, China. Collector: Albert W. C... February 22, 1934. The holotype is not ... separable from the 16 paratypes in the ... *Paratypes* (147): SU 29076; ditches a... the campus of Kwangsi University, Wuc... Province, China. Collector: Albert W. ... February 12, 1934.

CTENOGOBIUS NUCHIPUNCTATUS Herre 1934...

Herre Philippine Expedition of 1931, per Enterprise Ltd., Hong Kong, p. 85.

nd 5 *paratypes*: SU 26246; tide pool at Oriental Negros, Philippine Islands. Albert W. C. T. Herre; June 18, 1931. is not immediately separable from the in the same bottle.

OPALESCENS Herre 1936, Bull. Raffles no. 12, p. 15, pl. 11.

SU 30956; reef at Singapore, Straits Collector: Albert W. C. T. Herre; 1934. *Paratypes* (24): SU 16966; data for holotype. One of these paratype bears the label "drawn" and is in a tn the bottle.

S *PALUDOSUS* Herre 1940, Bull. Raffles no. 16, p. 23, pl. 18.

: SU 32998; five miles north of Kota nore, Malay Peninsula. Collector: Albert erre; May 11, 1937.

S *PERSPICILLATUS* Herre 1945, Copeia, no. 5.

: SU 36810; salt water creek east of the ry at Vizagapatam, Madras Presidency, is creek connects the harbor and lagoon agapatam with the Bay of Bengal and the came from near the base of the bluff at nce to the harbor. Collectors: Albert W. ee and H. S. Rao; December 12, 1940. *Par-*: SU 36811; data exactly as for holotype.

US TORTUGAE Jordan 1904, Bull. U.S. Fish , vol. 22 for 1902, p. 541, pl. 1, fig. 1.

ote: SU 8363; Garden Key, one of the Dry Florida. Collector: Joseph C. Thompson. pimen has been catalogued under two sep- mbers—8363, the number given in the or- scription of the species and 8568.

IUS VILLADOLIDI Herre 1936, Philippine Jorn. Sci., vol. 59, no. 3, p. 361, pl. 2, 4.

le pe and 9 *paratypes*: SU 30957; tide pool Baguete, Oriental Negros, Philippine Is- Collector: Albert W. C. T. Herre; November 9. While the holotype cannot definitely mined at present, two specimens are in a hin the bottle—one of which probably is type.

BIUS VIRGATULUS Jordan and Snyder 1901, pe. U.S. Nat. Mus., vol. 24, no. 1244, p. , fig. 9.

ne: SU 6451; Misaki, Sagami, Japan. Col- : David Starr Jordan and John O. Snyder; of 1900. *Paratypes* (20): SU 6658; data exactly as for holotype. *Paratypes* (8): SU 6623; Bay of Tokyo, Japan. Collector: Kamakichi Kishinouye. *Paratype* (1): SU 6640; Wakanoura, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (9): SU 6592; Nagasaki, Japan. Collectors and date as for paratype just preceding.

CTENOGOBIUS WAIGIENSIS Herre 1935, Field Mus. Nat. Hist., publ. 335, zool. ser., vol. 18, no. 12, p. 424.

Paratypes (75): SU 28061; mouth of a small fresh water stream flowing into Majalibit Inlet, Waigiu Island. Collector: Albert W. C. T. Herre on the Crane Pacific Expedition; June 7, 1929.
Holotype: Chicago Nat. Hist. Mus. 17413.

DORYPTENA OKINAWAE Snyder 1908, Proc. U.S. Nat. Mus., vol. 35, no. 1635, p. 103.

Paratypes (19): SU 21106; Naha, Okinawa. Collectors: John O. Snyder and Michitaro Sindo. *Paratypes* (8): SU 21130; data as for above paratypes.
Holotype: U.S. Nat. Mus. 62240.

DORYPTENA TANEGASIMAE Snyder 1908, Proc. U.S. Nat. Mus., vol. 35, no. 1635, p. 104.

Paratypes (4): SU 21107; tide pools at Tanegashima, Japan. Collectors: John O. Snyder and Michitaro Sindo.
Holotype: U.S. Nat. Mus. 62241.

EBOMEGOBIUS GOODI Herre 1946, Proc. Biol. Soc. Washington, vol. 59, p. 124.

Holotype: SU 40421; the Ebomé, a small brackish stream at Kribi, Cameroons, West Africa. Collector: Rev. A. I. Good; November 23, 1940.

ELACATINUS OCEANOPS Jordan 1904, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 542, pl. 2, fig. 3.

Holotype: SU 8365; coral reef of Garden Key, Dry Tortugas, Florida. Collector: Joseph C. Thompson. *Paratypes* (2): SU 8701; data exactly as for holotype.

ENYPNIAS OLIGOLEPIS Jenkins 1904, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 504, fig. 45.

Paratypes (13): SU 23308; Honolulu, Hawaiian Islands. Collector: Oliver P. Jenkins; summer of 1889.
Holotype: U.S. Nat. Mus. 50715.

EUTAENIICHTHYS GILLI Jordan and Snyder 1901, Proc. U.S. Nat. Mus., vol. 24, no. 1244, p. 122, fig. 28.

Holotype: SU 6462; Tone River, near Tokyo, Japan. Collector: Kamakichi Kishinouye.

EVERMANNIA PANAMENSIS Gilbert and Starks 1904, Mem. California Acad. Sci., vol. 4, p. 179, pl. 30, fig. 55.

Holotype: SU 6509; tide pools on the Panamá reef. Collectors: Charles H. Gilbert et al; 1896. **Paratypes* (31): SU 6510; data exactly as for holotype. One of these specimens is in a vial within the bottle and bears a note "skull drawn."

EVERMANNICHTHYS SPONGICOLA Metzelaar 1919, Over Tropisch Atlantische Visschen, part 1, p. 139, figs. 39 and 40.

Syntypes (2): SU 23307; from either the Fuikbay or the Schottegat, Curaçao, West Indies (found in sponges where it lives together with *Gobiosoma multifasciatum*). Collector: J. Boeke; 1904-1905.

EXPEDIO PARVULUS Snyder 1909, Proc. U.S. Nat. Mus., vol. 36, no. 1688, p. 606.

Paratypes (3): SU 21138; tide pools at Misaki, Sagami, Japan. Collectors: John O. Snyder and Michitaro Sindo.
Holotype: U.S. Nat. Mus. 62954.

GILLICHTHYS DETRUSUS Gilbert and Scofield 1898, Proc. U.S. Nat. Mus., vol. 20, no. 1131, p. 498, pl. 38.

Paratypes (116): SU 5432; Horseshoe Bend, near the mouth of the Colorado River, México. Collectors: Charles H. Gilbert and A. B. Alexander; latter half of April to early part of May, 1890. *Paratype* (1): SU 3836; data exactly as for above paratypes.
Holotype: U.S. Nat. Mus. 48127.

GILLICHTHYS Y-CAUDA Jenkins and Evermann 1889, Proc. U.S. Nat. Mus., vol. 11, no. 698, p. 147.

**Paratypes* (4): SU 424; seined from bay near the railroad station at Guaymas, Sonora, México. Collectors: Oliver P. Jenkins and Barton W. Evermann; July, 1887.
Holotype: U.S. Nat. Mus. 39637.

GLADIOGOBIUS ENSIFER Herre 1933, Copeia, no. 1, p. 23.

Paratypes (2): SU 26389; Culión, Philippine Islands. Collector: Albert W. C. T. Herre; May 3, 1931. *Paratypes* (2): SU 25499; data exactly as for the above paratypes. *Paratype* (1): SU 25498; near the entrance to Majalibit Inlet, Waigiu. Collector: Albert W. C. T. Herre; June 8, 1929. The original description mentions only two specimens from Culión.
Holotype: in the Chicago Nat. Hist. Mus.

GLOSSOGOBIUS ABACOPUS Jordan and Richardson 1909, Mem. Carnegie Mus., vol. 4, no. 4, p. 200, pl. 74.

Syntypes (2): SU 21258; Takao, Formosa. Collector: Hans Sauter; 1906.

GLOSSOGOBIUS CAMPBELLIANUS Jordan and S
Proc. U.S. Nat. Mus., vol. 33, no
542, fig. 2.

Paratype (1): SU 22498 (no. 20160 in
nal description, but this number is b
Stanford register); Buytenzorg, Java.
Douglas Houghton Campbell; summer of 19
Holotype: U.S. Nat. Mus. 61051.

GLOSSOGOBIUS KORAGENSIS Herre 1935,
Nat. Hist., publ. 335, zool. ser.,
no. 12, p. 419.

Paratype (1): SU 24457; Koragu, Sepik
Guinea. Collector: Albert W. C. T. He
Crane Pacific Expedition; May 23, 1929.
(1): SU 25588; Ambot, Kerame River, Ne
Collector as above; May 26, 1929.
Holotype: Chicago Nat. Hist. Mus. 1736

GLOSSOGOBIUS VAISIGANIS Jordan and Se
Bull. U.S. Bureau Fish., vol. 25
p. 403, fig. 93.

Paratype (1): SU 8714; lower reach
Vaisigano River at Apia, Samoa. Collect
Starr Jordan et al; summer of 1902.
Holotype: U.S. Nat. Mus. 51774.

GNATHOLEPIS CALLIURUS Jordan and Seale 1
U.S. Nat. Mus., vol. 28, no. 140
fig. 14.

Paratype (1): SU 9129; Southern Negro
pine Islands. Collector: Bashford Dean;
1900-1901.
Holotype: U.S. Nat. Mus. 51944.

GNATHOLEPIS CORLETTEI Herre 1935, Field
Hist., publ. 335, zool. ser., vo
12, p. 418.

Paratypes (4): SU 24435; Bushman Bay
Island, in the New Hebrides. Collect
W. C. T. Herre on the Crane Pacific E
April 4, 1929.
Holotype: Chicago Nat. Hist. Mus. 173

GNATHOLEPIS HENDERSONI Herre 1936, Bul
Mus., no. 12, p. 7, pl. 3.

Holotype and 4 *paratypes*: SU 30958; o
Singapore Harbor, Straits Settlements.
Albert W. C. T. Herre; March, 1934. Th
is not immediately separable from the 3
in the same bottle.

GNATHOLEPIS KNIGHTI Jordan and Ever
Bull. U.S. Fish Comm., vol. 22 fo
204.

Paratypes (16): SU 7468; Hilo, Hawaii
Collectors: David Starr Jordan and Bart
mann; 1901.
Holotype: U.S. Nat. Mus. 50653.

; *KOUMANSI* Herre 1937, Bull. Raffles
no. 13, part 1, p. 39, pl. 1.

SU 30959; on a reef in the Straits of
20 miles west of Singapore, off the
ast of Sumatra. Collector: Albert W.
; March 27, 1934.

MINGI Herre 1936, Bull. Raffles Mus.,
, p. 8, pl. 4.

SU 30960; on Pulau Ubin, a small is-
ngapore, Straits Settlements. Collec-
W. C. T. Herre; March, 1934.

THOMPSONI Jordan 1904, Bull. U.S. Fish
vol. 22 for 1902, p. 541, pl. 1, fig. 2.

: SU 8364; coral sandy bottom, around
, inside Bush Key, Dry Tortugas, Flori-
tor: Joseph C. Thompson.

IRTWISTLEI Herre 1934, Bull. Raffles
no. 9, p. 85.

(99): SU 29078; brackish water tidal
ne island of Singapore, Straits Settle-
llector: Albert W. C. T. Herre; March
. *Syntypes* (204): SU 30961; locality and
as above; March 18, 1934.

LIS LONCHOTUS Jenkins 1904, Bull. U.S.
Comm., vol. 22 for 1902, p. 503, fig. 44.

(14): SU 23328; Honolulu, Hawaiian Is-
llector: Oliver P. Jenkins; summer of

U.S. Nat. Mus. 50698.

S STOMATUS Starks 1913, The Fishes of
tanford Expedition to Brazil, Leland
ord Jr. Univ. Publ., Univ. Ser., p. 67,
).

: SU 22219; a large pool in the sand
high tide near the mouth of the harbor
Brazil. Collector: Edwin C. Starks on
d Expedition to Brazil; summer of 1911.
57): SU 22212; data as above, except
of the specimens were seined on muddy
de flats. While no single specimen was
as holotype in the descriptive portion
er, Prof. Starks refers to the figured
"type" on pl. 10. This is here consid-
esignation.

BROCKI Ginsburg 1938, Stanford Ichthyo-
Bull., vol. 1, no. 2, p. 58.

: SU 36565 (the description gives no.
ror); Los Frailes, near Cape San Lucas,
fornia, México. Collector: Vernon E.
en 2, 1938.

PALLIDA Herre 1934, The Fishes of the Herre Philippine Expedition of 1931, Newspaper Enterprise Ltd., Hong Kong, p. 91.

Holotype: SU 28609; Sitankai, Sulu Province, Philippine Islands. Collector: Albert W. C. T. Herre; August, 1931. *Paratypes* (3): SU 16962; data as above except that the Stanford register gives August 27 as the date for the paratypes.

GOBIOSOMA PUNCTICULATUM Ginsburg 1938, Stanford Ichthyological Bull., vol. 1, no. 2, p. 57.

Holotype: SU 36564; (the description gives no. 32963, in error) Los Frailes, near Cape San Lucas, Baja California, México. Collector: Vernon E. Brock; March 2, 1938. *Paratype* (1): SU 36560 (the description gives 32964, in error); data exactly as for holotype.

GOBIUS BOLEOSOMA Jordan and Gilbert 1882, Proc. U.S. Nat. Mus., vol. 5, no. 282, p. 295.

Paratypes (33): SU 1675; in the Laguna Grande at Pensacola, Florida. Collector: David Starr Jordan; March, 1882.
Holotype: U.S. Nat. Mus. 30860.

GOBIUS CURAÇAO Metzelaar 1919, Over Tropisch Atlantische Visschen, part 1, p. 136, fig. 38.

Syntypes (2): SU 23311; Leeward Islands, West Indies. Collector: J. Boeke (the Stanford register gives van den Horst); 1904-1905.

GOBIUS DALLI Gilbert 1890, Proc. U.S. Nat. Mus., vol. 13, no. 797, p. 73.

Lecto-paratypes (3): SU 286; Station 3001, Gulf of California, México (24° 55' 15" North Latitude, 110° 39' West Longitude); 33 fathoms. Collector: "Albatross"; March 16, 1889.
Lecto-holotype: U.S. Nat. Mus. 107287, designated as such by Ginsburg 1939, Journ. Washington Acad. Sci., vol. 29, no. 2, p. 54.

GOBIUS ELMERI Herre 1940, Philippine Journ. Sci., vol. 72, no. 4, p. 358, pl. 1.

Holotype: SU 32989; tide pool at Nasugbú, Batangas Province, Luzón, Philippine Islands. Collector: Albert W. C. T. Herre; December 11, 1936.

GOBIUS GILBERTI Heller and Snodgrass 1903, Proc. Washington Acad. Sci., vol. 5, p. 214, pl. 13.

Holotype: SU 6354; mangrove swamp, East Narboro Island, Galápagos. Collectors: Robert E. Snodgrass and Edmund Heller; January 14, 1899. *Paratype* (1): SU 7061; Tagus Cove, Albemarle Island, Galápagos. Collectors and date as for holotype.

GOBIUS GIURINUS Rutter 1897, Proc. Acad. Nat. Sci. Philadelphia, p. 86.

Holotype: SU 4990; Swatow, China. Collector:

Adele M. Fielde; sent to the University of Indiana in 1885, from which it was later purchased by Stanford when still unworked.

GOBIUS MANGLICOLA Jordan and Starks, in: Jordan 1895, Proc. California Acad. Sci., ser. 2, vol. 5, p. 495.

Holotype: SU 3095; in the mud of the astillero among the roots of mangrove bushes (*Rhizophora mangle*) at Mazatlán, Sinaloa, México. Collectors: David Starr Jordan and party on the Hopkins Expedition; December 24, 1894-January 25, 1895.

GOBIUS PANAYENSIS Jordan and Seale 1907, Bull. U.S. Bureau Fish., vol. 26 for 1906, p. 42, fig. 15.

Holotype: SU 9250; island of Panay, Philippine Islands. Collector: George A. Lung; summer of 1900.

GOBIUS POECILICHTHYS Jordan and Snyder 1901, Proc. U.S. Nat. Mus., vol. 24, no. 1244, p. 52, fig. 4.

Holotype: SU 6448; Misaki, Sagami, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900.

GOBIUS RHIZOPHORA Heller and Snodgrass 1903, Proc. Washington Acad. Sci., vol. 5, p. 212, pl. 12.

Holotype: SU 6349; Tagus Cove, Albemarle Island, Galápagos. Collectors: Robert E. Snodgrass and Edmund Heller; 1898-1899. *Paratype* (1): SU 7000; East Narboro Island, Galápagos. Collectors and date as for holotype.

HAZEUS OTAKII Jordan and Snyder 1901, Proc. U.S. Nat. Mus., vol. 24, no. 1244, p. 51, fig. 3.

Holotype: SU 6446; Nagasaki, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900.

HERREOLUS PHILIPPINUS Herre 1945, Proc. Biol. Soc. Washington, vol. 58, p. 14.

Holotype: SU 36812; under and between the logs of a raft in front of the saw-mill at Santa María, Zamboanga Province, Mindanao, Philippine Islands. Collector: Albert W. C. T. Herre; September 21, 1940. *Paratype* (1): SU 36813; data exactly as for holotype. Male. *Paratypes* (3): SU 36814; data exactly as for holotype. Females.

INTONSAGOBIUS KUDERI Herre 1943, Proc. Biol. Soc. Washington, vol. 56, p. 93.

Holotype: SU 36815; from coral in a lagoon amid a group of small isles about 8 miles west of Jolo, Sulu Province, Philippine Islands. Collector: Albert W. C. T. Herre; September 16, 1940. *Paratypes* (4): SU 36816; data exactly as for holotype.

INU KOMA Snyder 1909, Proc. U.S. Nat. ... 36, no. 1688, p. 607.

Paratype (1): SU 21139; Misaki, Jap... tors: John O. Snyder and Michitaro Sin... *Holotype*: U.S. Nat. Mus. 62955.

KELLOGGELLA CARDINALIS Jordan and ... Bull. U.S. Bureau Fish., vol. 2... p. 409, pl. 53, fig. 1.

Paratype (1): SU 8699; Pago Pago, Sa... lectors: David Starr Jordan et al; summ... *Holotype*: U.S. Nat. Mus. 51785.

MACGREGORELLA BADIA Herre 1935, Field ... Hist., publ. 335, zool. ser., vol. ... p. 415.

Paratype (1): SU 24431; on the reef ... Island, Fiji group. Collector: Alber... Herre on the Crane Pacific Expedition; ... 1929. *Holotype*: Chicago Nat. Hist. Mus. 173...

MACGREGORELLA BRAVOI Herre 1940, Philip... Sci., vol. 72, no. 4, p. 363, pl. ...

Holotype: SU 33120; Nasugbú, Batangas ... Luzón, Philippine Islands. Collector: ... C. T. Herre; December 11, 1936 or 1937. ... (4): SU 33121; data as for the holotype.

MACGREGORELLA INDICA Herre 1945, Journ. ... Acad. Sci., vol. 35, no. 12, p. 40...

Holotype: SU 39855; taken from coral ... Island in the Gulf of Manaar, Pamban ... Madras Presidency, South India. Collect... W. C. T. Herre; January 22, 1941. *Par*... SU 39928; data exactly as for holotype

MACGREGORELLA SANTA Herre 1935, Field ... Hist., publ. 335, zool. ser., vo... 12, p. 416.

Paratype (1): SU 25122; Malo Island, ... des. Collector: Albert W. C. T. Herre o... Pacific Expedition; March 30, 1929. ... (6): SU 25123; Bushman Bay, Malekula I... Hebrides. Collector as above; April ... *Paratypes* (7): SU 25140; Hog Harbor, ... Santo Island, New Hebrides. Collector ... April 1, 1929. There is a label sayi... in this bottle. *Holotype*: Chicago Nat. Hist. Mus. 173...

MACRODONTOGOBIUS WILBURI Herre 1936, ... Journ. Sci., vol. 59, no. 2, p. 2... fig. 2.

Holotype: SU 29073; Gorror Reef, Pele... Collector: Albert W. C. T. Herre; Octobe... *Paratypes* (3): SU 16961; data exactly as ... type. One of these paratypes bears ... label and is in a vial.

TEROUSI Herre 1943, Proc. Biol. Soc. on, vol. 56, p. 94.

SU 36817; mangrove swamp at Hacienda agarín, Mindoro, Philippine Islands. bert W. C. T. Herre; July 20-22, 1940. (): SU 36818; data exactly as for holo-

EPS Jordan and Seale 1906, Bull. U.S. Fish., vol. 25 for 1905, p. 403, fig.

1): SU 8706; Apia, Samoa. Collectors: Jordan et al; summer of 1902. U.S. Nat. Mus. 51777.

NUO-MACULATUS Herre 1933, Copeia, no. 1, 22

SU 25502; tide flats at Jolo, Sulu , nilippine Islands. Collector: Albert rre. *Paratypes* (5): SU 16959; data as for holotype.

I Herre 1936, Philippine Journ. Sci., . 9, no. 3, p. 363, pl. 2, fig. 6.

SU 30962; tide flats at Bais, Oriental Philippine Islands. Collector: Albert Herre; November 23, 1933.

BREVISPINIS Ginsburg 1939, Journ. ington Acad. Sci., vol. 29, no. 2, p. 56.

(1): SU 33209; Panamá. Collectors: H Gilbert et al; 1896. While this speci- specifically mentioned in the original n, it was definitely designated as a e in the Stanford collection. U.S. Nat. Mus. 81842.

EMBLEMATICUS Jordan and Gilbert 1882, U.S. Fish Comm., vol. 1 for 1881, p.

SU 33208; Panamá. Collectors: Charles et et al; 1896. Designated neotype by 939, Journ. Washington Acad. Sci., vol. p. 54.

MIRAFLORENSIS Gilbert and Starks 1904, California Acad. Sci., vol. 4, p. 176, 29, fig. 54.

: SU 6511; Río Grande, Miraflores, Colom- llectors: Charles H. Gilbert et al; 1896.

ONOSTIGMA Starks 1913, The Fishes of Stanford Expedition to Brazil, Leland nford Jr. Univ. Publ., Univ. Ser., p. 68, 11.

e: SU 22214; rock pools at Natal, Brazil. : Edwin C. Starks on the Stanford Expedition to Brazil; summer of 1911. *Paratypes* (2): SU 22383; data as above. While no single specimen was designated as holotype in the descriptive portion of the paper, Prof. Starks refers to the figured specimen as "type" on pl. 11. This is here considered type designation.

MINDOROGOBIUS LOPEZI Herre 1945, Proc. Biol. Soc. Washington, vol. 58, p. 13.

Holotype: SU 36822; mangrove swamp at Hacienda Waterous, Mangarín, Mindoro, Philippine Islands. Collector: Albert W. C. T. Herre; July 20-22, 1940. *Paratypes* (2): SU 36823; data exactly as for holotype.

MISTICHTHYS MINDANENSIS Herre 1944, Proc. Biol. Soc. Washington, vol. 57, p. 109.

Syntypes (27): SU 39883; salt water puddles around the base of nipa palms near the fisheries station at Zamboanga, Mindanao, Philippine Islands. Collector: Albert W. C. T. Herre; September 10, 1940. Females. *Syntypes* (9): SU 39882; data as for the above. Males. In the original description Dr. Herre referred to one male and one female as "types" and the others as paratypes. Since no single specimen was designated holotype and the specimens have since been mixed, the entire lot is considered syntypic.

MISTICHTHYS PANAYENSIS Herre 1944, Proc. Biol. Soc. Washington, vol. 57, p. 108.

Lecto-holotype: SU 36819; 11-mm. male; salt water nipa swamp near Cápiz, Cápiz Province, Panay, Philippine Islands. Collector: Albert W. C. T. Herre; August 3, 1940. *Lecto-paratypes* (105): SU 36821; data exactly as for the above. Females. *Lecto-paratypes* (73): SU 36820; data as above. Males. In the description Herre states "Described from the types, a female 12 mm. long, and a male 11 mm. long, 103 female paratypes 8.5 to 12.5 mm. in length, and 73 male paratypes 9 to 11.5 mm. in length." The 11-mm. male is separate in the collection (36819), the 12-mm. female mixed in with the other females (36821). The 11-mm. male specimen is here designated lecto-holotype of the species, all the other specimens lecto-paratypes.

MYERSINA MACROSTOMA Herre 1934, The Fishes of the Herre Philippine Expedition of 1931, Newspaper Enterprise Ltd., Hong Kong, p. 89.

Holotype: SU 26770; reef in Culión harbor, Philippine Islands. Collector: Albert W. C. T. Herre; May 3, 1931.

OPLOPONUS VERGENS Jordan and Seale 1907, Bull. U.S. Bureau Fish., vol. 26 for 1906, p. 44, fig. 17.

Paratype (1): SU 9256; Cavite, Philippine Islands. Collector: George A. Lung; summer of 1900. *Paratype* (1): SU 20100; data as for the above paratype.

Holotype: U.S. Nat. Mus. 93209, mistakenly recorded as 53071.

OPUA NEPHODES E. K. Jordan 1925, Proc. U.S. Nat. Mus., vol. 66, no. 2570, art. 33, p. 36, pl. 2, fig. 2.

Paratypes (10): SU 23612; Honolulu market (presumably from one of the muddy brackish lagoons near Honolulu), Hawaiian Islands. Collector: Eric Knight Jordan; August, 1924.
Holotype: U.S. Nat. Mus. 87419.

PANDAKA PYGMAEA Herre 1927, Gobies of the Philippines and the China Sea, Monograph 23, Bureau Sci., Manila, p. 198, pl. 15, fig. 3.

Lecto-holotype: SU 23761; Malabón?, Luzón, Philippine Islands. Collector: W. G. Carpenter; 1907? (Dr. Herre, in the original description, makes the following statement: "The specimens were in a bottle with fishes collected in 1907 in Malabon, but whether they also came from there is uncertain." Dr. Herre did not select a type in his description and all the Manila types were destroyed in the last war, when the Philippine Bureau of Sciences building was demolished. Therefore the Stanford specimens are all that remain. A 9.8-mm. specimen is here designated as lectotype of the species. *Lecto-paratypes* (8): SU 18143; data as for the lecto-holotype.

PARAPOCRYPTES CANTONENSIS Herre 1932, Lingnan Sci. Journ., vol. 11, no. 3, p. 441.

Holotype: SU 25721; wholesale fish market in Canton, China. Collector: Albert W. C. T. Herre; September 24, 1931. *Paratypes* (10): SU 25722; data exactly as for holotype.

PTEROGOBIUS DAIMIO Jordan and Snyder 1901, Proc. U.S. Nat. Mus., vol. 24, no. 1244, p. 91, fig. 17.

Holotype: SU 6455; Misaki, Sagami, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (9): SU 6657; data exactly as for holotype. *Paratypes* (15): SU 6606; data exactly as for holotype. *Paratypes* (5): SU 6545; Wakanoura, Kii, Japan. Collectors and date as for holotype.

PTEROGOBIUS ZACALLES Jordan and Snyder 1901, Proc. U.S. Nat. Mus., vol. 24, no. 1244, p. 93, fig. 18.

Holotype: SU 6453; Misaki, Sagami, in a rock pool on the island of Yogashima, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900.

PTEROGOBIUS ZONOLEUCUS Jordan and Snyder 1901, Proc. U.S. Nat. Mus., vol. 24, no. 1244, p. 94, fig. 19.

Holotype: SU 6454; Misaki, Sagami, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratype* (1): SU 6660; data exactly as for holotype.

QUISQUILIUS EUGENIUS Jordan and Ever... Bull. U.S. Fish Comm., vol. 22 f... 203.

Paratypes (3): SU 7483; Honolulu, Ha... lands. Collectors: David Starr Jordan ... W. Evermann; 1901.
Holotype: U.S. Nat. Mus. 50674.

QUISQUILIUS MALAYANUS Herre 1936, Bul... Mus., no. 12, p. 11, pl. 8.

Holotype and 3 *paratypes*: SU 30963; ... near Singapore, Federated Malay States. ... W. Birtwistle; 1935. The holotype ... marked as such in the bottle.

RANULINA FIMBRIIDENS Jordan and Starks ... U.S. Nat. Mus., vol. 31, no. 149 ... fig. 3.

Paratypes (26): SU 9882; Port Arthur, ... Collector: James Francis Abbott; summer ...
Holotype: U.S. Nat. Mus. 55633.

RHINOGOBIUS LUNGI Jordan and Seale 1 ... U.S. Bureau Fish., vol. 26 for 19... fig. 13.

Paratype (1): SU 9248; Panay, Philippi... Collector: George A. Lung; summer of 19...
Holotype: U.S. Nat. Mus. 53069.

RHINOGOBIUS NAGOYAE Jordan and Seale 1... U.S. Nat. Mus., vol. 30, no. 144 ... fig. 5.

Holotype: SU 9262; Nagoya, Japan. ... Prof. Keinosuke Otaki; this bears a "dr...

RHINOGOBIUS OCYURUS Jordan and Seale ... U.S. Bureau Fish., vol. 26 for 1... fig. 14.

Paratype? (1): SU 9249; Cavite, Phi... lands. Collector: George A. Lung; summ... This specimen bears a "drawn" label ... specimen the holotype or a paratype? ... description on page 42 lists only or... (U.S. Nat. Mus. 53070), the first p... paper, page 3, mentions 9249 and 530... order.

SAGAMIA RUSSULA Jordan and Snyder 1901... Nat. Mus., vol. 24, no. 1244, p. 10...

Holotype: SU 6457; Misaki, Sagami, ... lectors: David Starr Jordan and John ... summer of 1900. *Paratypes* (43): SU ... exactly as for holotype. *Paratypes* (4... Nagasaki, Hizen, Japan. Collectors ... for holotype. *Paratypes* (74): SU 663... Hizen, Japan. Collectors and date as f...

SCHISMATOGOBIUS ROXASI Herre 1936, ...

· Sci., vol. 59, no. 3, p. 362, pl. 2,
. .

SU 30968; San José, Antique Province,
hilippine Islands. Collector: F. Reveche;
926.

YAE Brock 1942, Stanford Ichthyological
l vol. 2, no. 4, p. 122, figs. 1-3.

SU 36535; spring-fed pool, north side
Island, Tres Marías group (21° 17' 24"
ude, 106° 17' 54" West Longitude). Col-
non E. Brock; February 19, 1940. *Para-*
SU 36536; data exactly as for holotype.

IS CINCTUS Herre 1936, Bull. Raffles
no. 12, p. 12, pl. 9.

: SU 29103; on a reef in Singapore har-
ector: Albert W. C. T. Herre; March 13,

INEXPLICATUS Herre 1934, The Fishes of
Herre Philippine Expedition of 1931,
paper Enterprise Ltd., Hong Kong, p.

yn: SU 25500; puddle on the Sitankai reef,
rince, Philippine Islands. Collector:
C. T. Herre; August 10, 1931. *Paratype*
957; data exactly as for holotype.

OBUS OBLIQUUS Herre 1934, The Fishes of the
ere Philippine Expedition of 1931, News-
per Enterprise Ltd., Hong Kong, p. 89.

yn: SU 25501; reef in Culión harbor, Phil-
ands. Collector: Albert W. C. T. Herre;
11. *Paratypes* (6): SU 16958; data exact-
o holotype.

OBUS SINGAPURENSIS Herre 1936, Bull. Raf-
le Mus., no. 12, p. 13, pl. 10.

ype: SU 29087; reef in Singapore harbor.
r: Albert W. C. T. Herre; March 14, 1934.
ne (35): SU 16963; data exactly as for holo-

OC PELEWENSIS Herre 1936, Philippine Journ.
, vol. 59, no. 2, p. 282.

ype: SU 29072; reef at Gorror, one of the
lands. Collector: Albert W. C. T. Herre;
8, 1933.

NDICOLA Jordan and Snyder 1901, Proc. U.S.
Mus., vol. 24, no. 1244, p. 96, fig. 20.

ypes (30): SU 6743; Station 3707, Suruga
ay (Ose Zaki, S. 53°, W. 2.25 m.); 63-75
. Collector: "Albatross"; May 8, 1900.
e (2): SU 6650; Station 3745, off Sagami,
sland, Japan (Suno Saki, N. 89°, E. 8.75
m.); 46-49 fathoms. Collector: "Albatross"; May 19, 1900. *Paratypes* (11): SU 6614; Suruga Bay, Japan. Collector: "Albatross"; 1900.
Holotype: U.S. Nat. Mus. 49744.

TAENIOIDES ABBOTTI Jordan and Starks 1906, Proc. U.S. Nat. Mus., vol. 31, no. 1493, p. 524, fig. 4.

Paratype (1): SU 9881; Port Arthur, Manchuria. Collector: James Francis Abbott; summer of 1904.
Holotype: U.S. Nat. Mus. 55634.

TAENIOIDES SNYDERI Jordan and Hubbs 1925, Mem. Carnegie Mus., vol. 10, no. 2, p. 310.

Lecto-paratypes (2): SU 6638; Wakanoura, Kii, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900.
Lecto-holotype: While no type was designated in the original description, Henn 1928, Ann. Carnegie Mus., vol. 19, no. 1, p. 97, gives Carnegie Mus. 7941 as the type of the species. This specimen, then, becomes the lectotype (now deposited in the Chicago Nat. Hist. Mus.).

TAMANKA MINDORA Herre 1945, Proc. Biol. Soc. Washington, vol. 58, p. 75.

Holotype: SU 39885; brackish water mangrove swamp at Hacienda Waterous, Mangarín, Mindoro, Philippine Islands. Collector: Albert W. C. T. Herre; July 20-22, 1940.

TAMANKA PHILIPPINA Herre 1945, Proc. Biol. Soc. Washington, vol. 58, p. 75.

Holotype: SU 39884; brackish water at Hacienda Waterous, Mangarín, Mindoro, Philippine Islands. Collector: Albert W. C. T. Herre; July 20-22, 1940.

TAMANKA SINENSIS Herre 1935, Hong Kong Naturalist, vol. 6, nos. 3 and 4, p. 288.

Holotype: SU 31518; Hong Kong, China. Collector: Albert W. C. T. Herre; March 2, 1934.

TAMANKA TALAVERA Herre 1945, Copeia, no. 1, p. 4.

Holotype: SU 36824; nipa swamp near Cápiz, Panay, Philippine Islands. Collector: Albert W. C. T. Herre; August 3, 1940. *Paratypes* (10): SU 36825; data exactly as for holotype.

TAMANKA UBINENSIS Herre 1937, Bull. Raffles Mus., no. 13, part 1, p. 41, pl. 3.

Holotype: SU 30964; Pulau Ubin or Ubin Island, a small isle in the channel between Singapore and Johore. Collector: Albert W. C. T. Herre; March, 1934.

TRIAENOPOGON JAPONICUS Rendahl 1924, Arkiv för Zoologi, Bd. 16, no. 2, p. 27. This name was based on the description and figure of "*Triaenopogon barbatus* Günther" in Jordan and Snyder 1901, Proc. U.S. Nat. Mus., vol. 24, no. 1244, p. 111, fig. 23.

Holotype: SU 6593; Bay of Tokyo, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (2): SU 18426; data exactly as for holotype. The 98-mm. specimen was designated by Rendahl as type of the species, but it is the 89-mm. paratype which was illustrated in Jordan and Snyder's figure 23.

TRIDENTIGER BUCCO Jordan and Snyder 1901, Proc. U.S. Nat. Mus., vol. 24, no. 1244, p. 115, fig. 24.

Holotype: SU 6459; Misaki, Sagami, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. **Paratypes* (5): SU 6655; Tokyo, Japan. Collectors and date as for holotype.

TRIDENTIGER KUROIWAE Jordan and Tanaka 1927, Ann. Carnegie Mus., vol. 17, no. 2, p. 276, pl. 23, figs. 1-3.

Paratypes (5): SU 23668; Amami-Oshima Island, Riukiu Archipelago, Japan. Collector: H. Kuroiwa for the Imperial University of Tokyo and brought to Stanford by Dr. Shigeho Tanaka.
Holotype: Carnegie Mus. 8324—now in the Chicago Nat. Hist. Mus.

TRIFISSUS IOTURUS Jordan and Snyder 1900, Proc. U.S. Nat. Mus., vol. 23, no. 1213, p. 373, pl. 18.

**Paratype* (1): SU 6270; Bay of Tokyo, Japan. Collector: Keinosuke Otaki.
Holotype: U.S. Nat. Mus. 49403.

TRYPAUCHEN WAKAE Jordan and Snyder 1901, Proc. U.S. Nat. Mus., vol. 24, no. 1244, p. 127, fig. 32.

Holotype: SU 6515; Wakanoura, Kii, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (2): SU 6646; data exactly as for holotype. *Paratypes* (2): SU 6588; Kobe, Japan. Collectors and date as for holotype.

VAILIMA STEVENSONI Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 398, fig. 87.

**Paratypes* (6): SU 8697; Stanford register says from Pago Pago (however, it is more likely that these specimens were taken from the bottom of swift streams near Apia, because the original description mentions only one specimen from Pago Pago). Collectors: David Starr Jordan et al; summer of 1902.
Holotype: U.S. Nat. Mus. 51775.

VAIMOSA ADYARI Herre 1945, Journ. Wash: Sci., vol. 35, no. 12, p. 402.

Holotype: SU 39864; Adyar River, opp Anchorage", the residence of Dr. E. S. Madras Presidency, South India (this from the Bay of Bengal and the Adyar Ri or less brackish at this point). Coll bert W. C. T. Herre; January 4, 1941. (2): SU 39865; data exactly as for holo

VAIMOSA AVICENNIA Herre 1940, Bull. Raf no. 16, p. 17, pl. 12.

Holotype: SU 33006; mangrove swamp the Kranji River, Singapore. Collect W. C. T. Herre; March 10, 1937.

VAIMOSA BALTEATA Herre 1935, Field Mus. publ. 335, zool. ser., vol. 18, 419.

Paratype (1): SU 24463; creek flowin jalibit Inlet, Waigiu Island. Collect W. C. T. Herre on the Crane Pacific E June 7, 1929.
Holotype: Chicago Nat. Hist. Mus. 173

VAIMOSA BROCKI Herre 1936, Bull. Raffle 12, p. 9, pl. 5.

Holotype: SU 30965; on a reef in Sin bor, Straits Settlements. Collector: C. T. Herre; March 15, 1934.

VAIMOSA CARDONENSIS Herre 1940, Philip Sci., vol. 72, no. 4, p. 358, pl.

Holotype: SU 32980; Cardona, a town o coast of Laguna de Bay, Luzón, Philippi Collector: Albert W. C. T. Herre; Aug *Paratypes* (30): SU 32981; data exactly type.

VAIMOSA CHINENSIS Herre 1935, Hong Ko ist, vol. 6, nos. 3 and 4, p. 287.

Holotype: SU 30966; tide pool on Ho land, China. Collector: Albert W. C. March, 1934.

VAIMOSA CRASSA Herre 1945, Journ. Wash Sci., vol. 35, no. 12, p. 403.

Holotype: SU 39848; brook near U Territory, Hong Kong, China. Collec W. C. T. Herre; February 23, 1941. P SU 39849; data exactly as for holotype

VAIMOSA FONTINALIS Jordan and Seale U.S. Bureau Fish., vol. 25 for 1 fig. 85.

Paratypes (29): SU 8700; Stanford r from the Gasegase River, Samoa (how possible these specimens came from

the original description mentions only from the Gasegase). Collectors: David et al; summer of 1902.
U.S. Nat. Mus. 51776.

CA Herre 1940, Philippine Journ. Sci., . 2, no. 4, p. 359, pl. 3.

: SU 32984; tide pool at Dumaguete, ros Province, Philippine Islands. Col- ert W. C. T. Herre; December 24, 1936. 12): SU 32985; data exactly as for holo- *type* (1): SU 32987; mangrove swamp, er, Singapore Island. Collector as ch 10, 1937. *Paratype* (1): SU 32986; ampaya Sound, Palawan, Philippine Is- llector as above; May 9, 1927.

RIAE Herre 1936, Philippine Journ. Sci., 9, no. 2, p. 280.

(2): SU 29070; freshwater creek on ap, the main island of the Pelew group. Y. Hori; October 14, 1933. *Syntypes* 071; data exactly as for the above. Dr. is a male and a female as "types" and remaining specimens paratypes. Since designation is not valid, the specimens nsidered syntypes.

URONGENSIS Herre 1940, Bull. Raffles s. no. 16, p. 18, pl. 13.

: SU 32982; brook at Jurong, Singapore ollector: Albert W. C. T. Herre; May 8, *Paratypes* (22): SU 32983; data exactly as ype.

ABILIA Herre 1940, Bull. Raffles Mus., 16, p. 19, pl. 14.

: SU 32978; Kabili River, British North Collector: Albert W. C. T. Herre; Jan- 1937. *Paratype* (1): SU 32979; data ex- for holotype.

AWAIA Herre 1936, Bull. Raffles Mus., no. p. 9, pl. 6.

: SU 29080; ditch in the Mawai district, 5 miles north of Singapore. Collector: C. T. Herre; March 22, 1934.

INDORA Herre 1945, Proc. Biol. Soc. Wash- on, vol. 58, p. 13.

e: SU 36826; brackish swamp on Hacienda , Mangarín, Mindoro, Philippine Islands. r: Albert W. C. T. Herre; July 21, 1940. s (2): SU 36827; data exactly as for holo-

MONTALBANI Herre 1936, Philippine Journ. ., vol. 59, no. 3, p. 359, pl. 1, fig. 3.

e and 59 *paratypes*: SU 30967; Lake Naujan, Mindoro, Philippine Islands. Collector: Albert W. C. T. Herre; November 28, 1933. While the holotype cannot definitely be determined at present, four specimens are in a vial within the bottle—one of which possibly is the holotype.

VAIMOSA ORATAI Herre 1940, Bull. Raffles Mus., no. 16, p. 20, pl. 15.

Holotype: SU 32988; from a brook at Tawau, British North Borneo. Collector: Albert W. C. T. Herre; January 17, 1937.

VAIMOSA OSGOODI Herre 1935, Field Mus. Nat. Hist., publ. 335, zool. ser., vol. 18, no. 12, p. 420.

Paratypes (33): SU 24464; Majalibit Inlet, Waigiu Island. Collector: Albert W. C. T. Herre; June 7, 1929. *Paratype* (1): SU 24433; small river flowing into Suva Harbor, Viti Levu Island, Fiji group. Collector as above; March 13, 1929.
Holotype: Chicago Nat. Hist. Mus. 17387.

VAIMOSA PERAKENSIS Herre 1940, Bull. Raffles Mus., no. 16, p. 21, pl. 16.

Holotype: SU 32975; lake above Chenderoh Dam, Perak. Collector: Albert W. C. T. Herre; March 19, 1937. *Paratypes* (183): SU 32976; data exactly as for holotype. *Paratypes* (16): SU 32977; brook 2 miles north of Sauk, Perak; collector as above; March 20, 1937.

VAIMOSA SERANGOONENSIS Herre 1937, Bull. Raffles Mus., no. 13, part 1, p. 40, pl. 2.

Holotype: SU 30984; creek at Serangoon, Singapore Island, Straits Settlements. Collector: Albert W. C. T. Herre; March 18, 1934. *Paratypes* (2): SU 16967; data exactly as for holotype, except that the Stanford register gives the date as February 28, 1934 for the paratypes.

VITRARIA CLARESCENS Jordan and Evermann 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 205.

Paratype (1): SU 7469; Hilo, Hawaiian Islands. Collectors: David Starr Jordan and Barton W. Evermann; 1901. There is another small vial in the same bottle with 3 specimens of a similar size, although according to the original description Stanford was to have only a single paratype.
Holotype: U.S. Nat. Mus. 50655.

XENISTHMUS PRORIGER Snyder 1908, Proc. U.S. Nat. Mus., vol. 35, no. 1635, p. 105.

Paratypes (3): SU 21108; tide pool at Naha, Okinawa. Collectors: John O. Snyder and Michitaro Sindo.
Holotype: U.S. Nat. Mus. 62242.

YABOTICHTHYS NOCTURNUS Herre 1945, Copeia, no. 1, p. 3.

Holotype: SU 36828; electric light and dip net

at night, a kilometer or two offshore from Yabot's Camp, near San José, Busuanga, Philippine Islands. Collector: Albert W. C. T. Herre; June 27, 1940. *Paratypes* (20): SU 36829; data exactly as for holotype.

ZONOGOBIUS BOREUS Snyder 1909, Proc. U.S. Nat. Mus., vol. 36, no. 1688, p. 605.

Paratype (1): SU 21137; tide pools at Misaki, Sagami, Japan. Collectors: John O. Snyder and Michitaro Sindo.
Holotype: U.S. Nat. Mus. 62953.

Family SCORPAENIDAE

APISTUS EVOLANS Jordan and Starks 1904, Proc. U.S. Nat. Mus., vol. 27, no. 1351, p. 146, fig. 12.

Holotype: SU 7373 (the description gives 7393); Tokyo, Japan. Collector: Prof. Keinosuke Otaki.

APISTUS VENENANS Jordan and Starks 1904, Proc. U.S. Nat. Mus., vol. 27, no. 1351, p. 148, fig. 13.

Holotype: SU 7371; Nagasaki, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900.

DENDROCHIRUS CHLOREUS Jenkins 1904, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 498, fig. 41.

Paratypes (5): SU 23294; among the coral rocks at Honolulu, Hawaiian Islands. Collector: Oliver P. Jenkins; 1889. *Paratype* (1): SU 23315; data as for the preceding.
Holotype: U.S. Nat. Mus. 50701.

DENDROCHIRUS HUDSONI Jordan and Evermann 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 202.

Paratypes (2): SU 7467; reef near Honolulu, Hawaiian Islands. Collectors: David Starr Jordan and Barton W. Evermann; 1901.
Holotype: U.S. Nat. Mus. 50652.

DENDROCHIRUS SAUSAULELE Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 378, pl. 52, fig. 1.

Paratypes (2): SU 8673; crevices of the reefs at Apia, Samoa. Collectors: David Starr Jordan et al; summer of 1902.
Holotype: U.S. Nat. Mus. 51760.

HELICOLENUS EMBLEMARIUS Jordan and Starks 1904, Proc. U.S. Nat. Mus., vol. 27, no. 1351, p. 129, fig. 9.

Holotype: SU 7364; Okinose, Japan. From the Imperial Museum at Tokyo. *Paratypes* (3): SU 7415; Misaki, Japan. Collectors: David Starr John O. Snyder; summer of 1900.

HELICOLENUS RUFESCENS Gilbert 1905, B Fish Comm., vol. 23 for 1903, part fig. 246.

Paratype (1): SU 8619; Station 4074 north coast of Maui, Hawaiian Islands Point, S. 70°, E. 8.5'); 78-85 fathoms. tor: "Albatross"; July 19, 1902.
Holotype: U.S. Nat. Mus. 51628.

HYPOMACRUS ALBAIENSIS Evermann and Se Bull. U.S. Bureau Fish., vol. 26 fo 102, fig. 20.

Paratype (1): SU 20006; Bacón, Sorgso ippine Islands. Collector: Charles J. P
Holotype: U.S. Nat. Mus. 55902.

MACROSCORPIUS PALLIDUS Fowler 1938, P Nat. Mus., vol. 85, no. 3032, p. 7

Paratypes (3): SU 40201; Station 5502, off Macabalan Point Light, N. Mindanao, Islands (8° 37' 37" North Latitude, 124 Longitude); 214 fathoms. Collector: "A August 4, 1909.
Holotype: U.S. Nat. Mus. 98890.

NEOSEBASTES ENTAXIS Jordan and Starks U.S. Nat. Mus., vol. 27, no. 135 fig. 7.

Holotype: SU 7367; Misaki, Japan. C David Starr Jordan and John O. Snyder; 1900. *Paratype* (1): SU 7414; Chosu Japan. Presented by the Imperial Museu

PHENACOSCORPIUS MEGALOPS Fowler 1938, Nat. Mus., vol. 85, no. 3032, p. 7

Paratypes (2): SU 40198; Station 5411 off Law's Point Light, between Cebú Philippine Islands (10° 10' 30" Nort 123° 51' 15" East Longitude); 145 fat lector: "Albatross"; March 23, 1909. (1): SU 40199; Station 5542, 12.7 miles Light, northern Mindanao, Philippine 49' 38" North Latitude, 123° 34' 30" tude); 200 fathoms. Collector: "Albat ust 20, 1909. *Paratype* (1): SU 402 5221, 5.5 miles off San Andréas Isla Marinduque and Luzón, Philippine Islar 15" North Latitude, 121° 48' 15" East 50-193 fathoms. Collector: "Albatross 1908.
Holotype: U.S. Nat. Mus. 98903.

PLECTROGENIUM NANUM Gilbert 1905, Bul. Comm., vol. 23 for 1903, part 2, 248.

Paratypes (4): SU 8652; Hawaiian I station number had never been entered

ter, so the exact locality is unknown). "Albatross".
: U.S. Nat. Mus. 51598.

PILISTIUS Gilbert 1905, Bull. U.S. Fish , vol. 23 for 1903, part 2, p. 633, fig.

(1): SU 8638; Station 4098, off the t of Maui Island, Hawaiian Islands (Puni- S. 52° 30', E. 6.5'); 95-152 fathoms. "Albatross"; July 23, 1902.
: U.S. Nat. Mus. 51644.

STRIGATUS Heller and Snodgrass 1903, . Washington Acad. Sci., vol. 5, p. 208.

: SU 6343; near Wenman Island, Galápagos stomach of a *Carcharhinus platyrhynchus*).
: Robert E. Snodgrass and Edmund Heller;

STS LEURYNNIS Jordan and Seale 1905, . U.S. Nat. Mus., vol. 29, no. 1433, p. fig. 5.

(1): SU 24007; Hong Kong, China. Col- erre Louis Jouy; winter of 1882-1883.
: U.S. Nat. Mus. 52081. "

IZENSIS Jordan and Starks 1904, Proc. Nat. Mus., vol. 27, no. 1351, p. 134, 10.

s (2): SU 7366; Station 3708, Osa Point, y, Honshu Island, Japan (Ose Zaki, S. .25 m.); 60-70 fathoms. Collector: "Al- May 8, 1900. *Paratypes* (2): SU 7398; 713, Osa Point, Suruga Bay, Honshu Is- an (Ose Zaki, S. 81°, W. 4.2 m.); 45-48 Collector: "Albatross"; May 11, 1900.
e: U.S. Nat. Mus. 50909.

NYSTES Jordan and Starks, in: Jordan , Proc. California Acad. Sci., ser. 2, 5, p. 491, pl. 52.

olotype: SU 2919; in the astillero at , Sinaloa, México. Collectors: David an and party on the Hopkins Expedition; 24, 1894-January 25, 1895. The 223-mm. which was figured on plate 52 is here d lectotype of the species. *Lecto-para-*: SU 18083; data exactly as for the pre- *Lecto-paratype* (1): SU 11616; data exactly e preceding. While the original descrip- tes: "Types numbered 1501, 1616, 1617, he L. S. Jr. Univ. Mus. register", 1501 refer to a scorpaenid in the register, ually 11617) cannot now be found, 1616 is the 11616 above, and 2919 previously in- e lectotype and the first two paratypes

A ONARIA Jordan and Snyder 1900, Proc. Nat. Mus., vol. 23, no. 1213, p. 365, pl. 16.

Paratypes (2): SU 6275; Tokyo, Japan. Collector: Keinosuke Otaki.
Holotype: U.S. Nat. Mus. 49405.

SCORPAENA REMIGERA Gilbert and Cramer 1897, Proc. U.S. Nat. Mus., vol. 19, no. 1114, p. 418, pl. 40.

Paratype (1): SU 4917; Station 3476, Hawaiian Islands (21° 09' North Latitude, 157° 53' West Longitude); 298 fathoms. Collector: "Albatross"; December 6, 1891.
Holotype: U.S. Nat. Mus. 47726.

SCORPAENA RUBELLIO Jordan and Gunn 1898, Proc. Acad. Nat. Sci. Philadelphia, p. 344.

Holotype: SU 4291; Canary Islands. Collector: O. F. Cook; presented to Stanford University in 1891.

SCORPAENA RUSSULA Jordan and Bollman 1890, Proc. U.S. Nat. Mus., vol. 12, no. 770, p. 165.

**Paratypes* (4): SU 384; Station 2797, off the coast of Colombia (08° 06' 30" North Latitude, 78° 51' West Longitude); 33 fathoms. Collector: "Albatross"; March 5, 1888.
Holotype: U.S. Nat. Mus. 41160.

SCORPAENA (SEBASTOPLUS) SIERRA Gilbert 1890, Proc. U.S. Nat. Mus., vol. 13, no. 797, p. 82.

Syntype (1): SU 307; Station 2996, Gulf of California, México (24° 30' 15" North Latitude, 110° 29' West Longitude); 112 fathoms. Collector: "Albatross"; March 16, 1889.

SCORPAENA TENERIFFEA Jordan and Gunn 1898, Proc. Acad. Nat. Sci. Philadelphia, p. 345.

Holotype: SU 3111; Canary Islands. Collector: O. F. Cook; presented in 1891 to Stanford University.

SCORPAENA TREDECIMSPINOSA Metzelaar 1919, Over Tropisch Atlantische Visschen, part 1, p. 146, fig. 44.

Syntype (1): SU 23303; Bonaire, West Indies. Collector: J. Boeke; 1904-1905.

SCORPAENOPSIS ALTIROSTRIS Gilbert 1905, Bull. U.S. Fish Comm., vol. 23 for 1903, part 2, p. 628, fig. 244.

Paratypes (2): SU 8620; Station 3849, off the south coast of Molokai Island, Hawaiian Islands (Lae-o ka Laau Light, N. 71°, W. 21.9'); 43-73 fathoms. Collector: "Albatross"; April 8, 1902.
Holotype: U.S. Nat. Mus. 51636.

SCORPAENOPSIS CATOCALA Jordan and Evermann 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 201.

Paratypes (5): SU 7466; Honolulu, Hawaiian Islands. Collectors: U.S. Fish Commission; 1901. *Paratypes* (6): SU 7754; data as for the preceding. *Holotype*: U.S. Nat. Mus. 50651.

SEBASTAPISTES COLORATUS Gilbert 1905, Bull. U.S. Fish Comm., vol. 23 for 1903, part 2, p. 627, fig. 243.

Paratype (1): SU 8618; Station 3850, off the south coast of Molokai Island, Hawaiian Islands (Lae-o ka Laau Light, N. 74° 15', W. 22.2'); 43-66 fathoms. Collector: "Albatross"; April 8, 1902. *Holotype*: U.S. Nat. Mus. 51631.

SEBASTAPISTES CONIORTA Jenkins 1904, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 495, fig. 39.

Paratypes (57): SU 23589; coral rocks on the reef in front of Honolulu, Hawaiian Islands. Collector: Oliver P. Jenkins; 1889. *Paratypes* (122): SU 23330; data as for the preceding. *Holotype*: U.S. Nat. Mus. 50693.

SEBASTAPISTES CORALLICOLA Jenkins 1904, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 493, fig. 38.

Paratypes (35): SU 7729; Honolulu, Hawaiian Islands. Collector: Oliver P. Jenkins; 1889. *Holotype*: U.S. Nat. Mus. 50691.

SEBASTAPISTES LAOTALE Jordan and Seale 1906, Bull. U.S. Bureau Fish., vol. 25 for 1905, p. 376, fig. 72.

Paratypes (4): SU 8849; tide pools of the coral reefs at Apia, Samoa. Collectors: David Starr Jordan and Vernon L. Kellogg; summer of 1902. *Holotype*: U.S. Nat. Mus. 51761.

SEBASTICHTHYS AURORA Gilbert 1890, Proc. U.S. Nat. Mus., vol. 13, no. 797, p. 80.

Lecto-paratypes (3): SU 323; Station 2960, off southern California (34° 10' 45" North Latitude, 120° 16' 45" West Longitude); 267 fathoms. Collector: "Albatross"; February 9, 1889. *Lecto-holotype*: U.S. Nat. Mus. 48239. While no type was selected in the original description, Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 2, p. 1803, list the above U.S. Nat. Mus. number as "type"—this amounting to a lectotype designation.

SEBASTICHTHYS DIPLOPROA Gilbert 1890, Proc. U.S. Nat. Mus., vol. 13, no. 797, p. 79.

Syntypes (9): SU 96; Station 2898, off southern California (33° 00' 30" North Latitude, 120° 29' West Longitude); 158 fathoms. Collector: "Albatross"; January 6, 1889. *Syntypes* (4): SU 336; Station 2935, off southern California (32° 44' 30" North Latitude, 117° 23' West Longitude; 210 fathoms. Collector: "Albatross"; February 7, 1889. *Syntypes* (5): SU 3491; Station 3194, off California (35° 25' 50" North Latitude, 10" West Longitude); 160 fathoms. Collector: batross"; April 5, 1890. *Syntypes* (2): Station 3161, off central California (3[illegible]° North Latitude, 123° 23' 40" West Longitude; fathoms. Collector: "Albatross"; March 7 *Syntypes*: U.S. Nat. Mus. 48238. While was selected in the original description, and Evermann 1898, Bull. U.S. Nat. Mus. part 2, p. 1802, list the above number as This appears to be a lectotype designati 3 specimens bear the number.

SEBASTICHTHYS INTRONIGER Gilbert 1890, Pr Nat. Mus., vol. 13, no. 797, p. 81.

Syntype (1): SU 11526; Station 2949, of ern California (33° 55' 30" North Latitu 41' 30" West Longitude); 266 fathoms. Co "Albatross"; February 7, 1889.

SEBASTICHTHYS RUPESTRIS Gilbert 1890, Pr Nat. Mus., vol. 13, no. 797, p. 76.

Lecto-paratypes (4): SU 2459; Station 2 southern California (33° 58' North Latitu 30' 45" West Longitude); 150 fathoms. Co "Albatross"; February 6, 1889. *Lecto-holotype*: U.S. Nat. Mus. 48241. type was selected in the original desc Jordan and Evermann 1898, Bull. U.S. Nat. 47, part 2, p. 1813, list the above U.S. number as "type"—this amounting to a l designation.

SEBASTICHTHYS SAXICOLA Gilbert 1890, Pr Nat. Mus., vol. 13, no. 797, p. 78.

Syntypes (5): SU 310; Station 2949, off California (33° 57' North Latitude, 119° West Longitude); 155 fathoms. Collector tross"; February 7, 1889. *Syntypes* (2): Station 3113, off central California (37 North Latitude, 122° 37' 30" West Longi fathoms. Collector: "Albatross"; March *Syntypes* (8): SU 3493; Station 3125, of California (36° 52' North Latitude, 122° Longitude); 65 fathoms. Collector: "Al March 13, 1890. *Syntypes* (3): SU 3599; 3125, as for the preceding. *Syntypes* 3631; Station 3193, off central Califor 25' 50" North Latitude, 121° 09' 10" We tude); 160 fathoms. Collector: "Albatro 5, 1890. The last 4 series may not be their stations were not specifically men the original description. However, they lected before the description was publi Gilbert had access to them.

SEBASTICHTHYS ZACENTRUS Gilbert 1890, P Nat. Mus., vol. 13, no. 797, p. 77.

Lecto-paratype (1): SU 2460; Station southern California (33° 58' North Lati 30' 45" West Longitude); 150 fathoms.

; February 6, 1889. *Lecto-paratype* (1):
ta as for the preceding.
otype: U.S. Nat. Mus. 48243. While no
lected in the original description, Jor-
ermann 1898, Bull. U.S. Nat. Mus. No.
p. 1815, give the above U.S. Nat. Mus.
he "type"—this amounting to a lecto-
ation.

ALEUTIANUS Jordan and Evermann 1898,
U.S. Nat. Mus. No. 47, part 2, p. 1795.

(3): SU 12928; Station 3676, Karluk
aska. Collector: "Albatross"; July 20,

ATRORUBENS Gilbert, in: Jordan and
nn 1898, Bull. U.S. Nat. Mus. No. 47,
2, p. 1796.

: SU 1873; San Francisco market, probably
nterey, California. Collector: Charles

CLAVILATUS Starks 1911, Ann. Carnegie
vol. 7, no. 2, p. 181, pl. 30.

(1): SU 21405; deep water near the San
nds, Washington. Collector: Edwin C.
mmer of 1909.
: formerly in the Carnegie Museum—now
cago Nat. Hist. Mus.

EIGENMANNI Cramer, in: Jordan 1896,
California Acad. Sci., ser. 2, vol. 6,
9, pl. 42.

: SU 4046; Monterey (Pacific Grove),
. Collector: Wilbur W. Thoburn.

EMPHAEUS Starks 1911, Ann. Carnegie
vol. 7, no. 2, p. 182, pl. 31.

s (9): SU 21407; dredged in deep water
an Juan Islands, Washington. Collector:
tarks; summer of 1909.
: formerly in the Carnegie Museum—now
cago Nat. Hist. Mus.

FLAMMEUS Jordan and Starks 1904, Proc.
Nat. Mus., vol. 27, no. 1351, p. 108,
21.

: SU 7365; deep water at Misaki, Japan.
Kumakichi Aoki.

GILBERTI Cramer, in: Jordan 1896, Proc.
fornia Acad. Sci., ser. 2, vol. 6, p.
pl. 43.

(3): SU 3893; from Monterey, California,
San Francisco market. Collector: David
dan. One of these specimens bears a
bel in reference to plate 43.

SEBASTODES GÜNTHERI Jordan and Starks 1904, Proc. U.S. Nat. Mus., vol. 27, no. 1351, p. 102, fig. 2.

Holotype: SU 7372; Wakanoura, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (4): SU 7194; data exactly as for holotype.

SEBASTODES HAKODATIS Jordan and Snyder 1900, Proc. U.S. Nat. Mus., vol. 23, no. 1213, p. 361, pl. 14.

Paratypes (9): SU 6274; Hakodate, Japan. Collector: "Albatross"; 1896.
Holotype: U.S. Nat. Mus. 49394.

SEBASTODES HOPKINSI Cramer 1895, Proc. California Acad. Sci., ser. 2, vol. 5, p. 594.

Syntypes (3): SU 2282; Pacific Grove, California. Collector: Charles H. Gilbert. *Syntypes* (3): SU 3232; San Francisco market, probably from the vicinity of Monterey Bay, California. Collector: David Starr Jordan. This number was not specifically noted in the description, but the specimens were marked as types in the Stanford collections. No selection of types was made in the original description, but Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 2, p. 1790, list the "type" as SU 2286, corrected by them in part 3, p. 2860 to no. 2282. Since 3 specimens bear the number, this is not a lectotype designation, and all must be considered syntypes.

SEBASTODES IRACUNDUS Jordan and Starks 1904, Proc. U.S. Nat. Mus., vol. 27, no. 1351, p. 107, fig. 4.

Holotype: SU 12716; Kushiro, Hokkaido, Japan. Presented to Stanford from the Sapporo Museum by Professor Kakichi Mitsukuri.

SEBASTODES ITINUS Jordan and Starks 1904, Proc. U.S. Nat. Mus., vol. 27, no. 1351, p. 99, fig. 1.

Holotype: SU 7368; Hakodate, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900.

SEBASTODES JENYNSI Abbott 1899, Proc. Acad. Nat. Sci. Philadelphia, p. 476.

Holotype: SU 11925; Valparaiso, Chile. Collector: Admiral Lester A. Beardslee; spring of 1897.

SEBASTODES JORDANI Gilbert 1895, Rept. U.S. Comm. Fish and Fish., part 19 for 1893, p. 466.

Syntype (1): SU 3607; Station 3103, off central California (37° 38' North Latitude, 123° 02' 30" West Longitude); 67 fathoms. Collector: "Albatross"; March 10, 1890. *Syntype* (1): SU 3626; Station 3114, off central California (37° 06' North Latitude, 122° 32' West Longitude); 62 fathoms. Collector: "Albatross"; March 12, 1890.

SEBASTODES OWSTONI Jordan and Thompson 1914, Mem. Carnegie Mus., vol. 6, no. 4, p. 270, pl. 21, fig. 3.

Paratypes (5): SU 23208; Aomori, Japan. Collector: Alan Owston; June 6, 1907 ?
Holotype: Carnegie Mus. 6025—now at the Chicago Nat. Hist. Mus.

SEBASTODES SCYTHROPUS Jordan and Snyder 1900, Proc. U.S. Nat. Mus., vol. 23, no. 1213, p. 363, pl. 15.

Paratype (1): SU 6271; Bay of Tokyo, Japan. Collector: Kamakichi Kishinouye.
Holotype: U.S. Nat. Mus. 49406.

SEBASTODES SEMICINCTUS Gilbert 1897, Proc. U.S. Nat. Mus., vol. 19, no. 1115, p. 449, pl. 53, fig. 1.

Paratypes (9): SU 302; Station 2949, off southern California (33° 57' North Latitude, 119° 53' 30" West Longitude); 155 fathoms. Collector: "Albatross"; February 7, 1889. *Paratypes* (9): SU 325; Station 2959, off southern California (34° 06' 45" North Latitude, 120° 18' West Longitude); 55 fathoms. Collector: "Albatross"; February 9, 1889.
Holotype: U.S. Nat. Mus. 47581.

SEBASTODES (SEBASTOSOMUS) THOMPSONI Jordan and Hubbs 1925, Mem. Carnegie Mus., vol. 10, no. 2, p. 265, fig. 1.

Holotype: SU 7167; Miyako, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratype* (1): SU 22640; Osaka, Japan. Collector: David Starr Jordan; 1911.

SEBASTODES TOKIONIS Jordan and Starks 1904, Proc. U.S. Nat. Mus., vol. 27, no. 1351, p. 104, fig. 3.

Holotype: SU 7369; Misaki, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (4): SU 7413; data exactly as for holotype.

SEBASTODES WILSONI Gilbert 1915, Proc. U.S. Nat. Mus., vol. 48, no. 2075, p. 333, pl. 16, fig. 8.

Paratype (1): SU 22992; Station 4518, Monterey Bay, California (Point Pinos Light House, S. 42°, E. 5.7 miles); 66-140 fathoms. Collector: "Albatross"; May 24, 1904.
Holotype: U.S. Nat. Mus. 75811.

SEBASTOLOBUS ALTIVELIS Gilbert 1895, Report U.S. Comm. Fish and Fish., part 19 for 1893, p. 410, pl. 23.

Paratypes (3): SU 3598; Station 3104, off central California (37° 23' North Latitude, 123° 08' West Longitude); 391 fathoms. Collector: "Albatross"; March 11, 1890.
Holotype: in the U.S. Nat. Mus.

SEBASTOPSIS KELLOGGI Jenkins 1904, Bull. Comm., vol. 22 for 1902, p. 492, fig.

Paratype (1): SU 23306; Honolulu, Hawa lands. Collector: Oliver P. Jenkins; 190
Holotype: U.S. Nat. Mus. 50694.

THYSANICHTHYS EVIDES Jordan and Thomps Mem. Carnegie Mus., vol. 6, no. 4, pl. 32, fig. 3.

Paratypes (6): SU 22611; Misaki, Japan. tor: David Starr Jordan; summer-autumn of
Holotype: Carnegie Mus. 6019a—now at th Nat. Hist. Mus.

Family TRIGLIDAE

LEPIDOTRIGLA KISHINOUYI Snyder 1911, Pr Nat. Mus., vol. 40, no. 1836, p. 543

Paratype (1): SU 21427; Kagoshima, Jap lectors: John O. Snyder and Michitaro Sin
Holotype: U.S. Nat. Mus. 68241.

PERISTEDION GILBERTI Jordan 1921, Proc. Mus., vol. 59, no. 2392, p. 655, fig

Paratypes (6): SU 8523; from some of th ing stations: 3957, 3986, 4080, 4081, 40 4115, 4117, Hawaiian Islands. Collector tross"; March-August, 1902.
Holotype: U.S. Nat. Mus. 84102.

PERISTEDION HIANS Gilbert and Cramer 18 U.S. Nat. Mus., vol. 19, no. 1114, pl. 41, figs. 1 and 2.

**Paratypes* (4): SU 4921; Station 3470, 21 North Latitude, 157° 49' West Longitude. tor: "Albatross"; December 4, 1891.
Holotype: U.S. Nat. Mus. 47730.

PRIONOTUS GYMNOSTETHUS Gilbert 1892, Pr Nat. Mus., vol. 14, no. 880, p. 5

Syntypes (4): SU 2458; Station 2830, California, México (23° 33' North Latit 37' West Longitude); 66 fathoms. Collec batross"; May 1, 1888.

PRIONOTUS LOXIAS Gilbert 1897, Proc. Mus., vol. 19, no. 1115, p. 452.

Paratypes (4): SU 165; Station 2805 Panamá (7° 56' North Latitude, 79° 41' Longitude); 51.5 fathoms. Collector: "Al March 30, 1888.
Holotype: U.S. Nat. Mus. 47580.

PRIONOTUS QUIESCENS Jordan and Bollman U.S. Nat. Mus., vol. 12, no. 770, p.

Paratypes (5)?: SU 5852; Station

...nia (24° 27' North Latitude, 111° 59' ...de); 47 fathoms. Collector: "Alba- ... 1 8, 1889. Although marked as such, ...ens are probably not paratypes at all, ...ere not in the original description ...nin the geographical range of that

... J.S. Nat. Mus. 41153.

SCARIUS Gilbert and Starks 1904, Mem. ...nia Acad. Sci., vol. 4, p. 165, pl. ...s. 50 and 50a.

... SU 6488; Panamá. Collectors: Charles ...t al; January 10-February 24, 1896. ...): SU 6967; data exactly as for holo-

...NISMA Jordan and Bollman 1890, Proc. ...t. Mus., vol. 12, no. 770, p. 169.

...(6): SU 202; Station 2795, off Panamá ...h Latitude, 78° 55' West Longitude); ... Collector: "Albatross"; March 5, 1888. ... U.S. Nat. Mus. 41151.

Family SYNANCEIDAE

...S VULCANUS Jordan and Rutter, in: Jor- ...06, Proc. California Acad. Sci., ser. ... 6, p. 221, pl. 26.

... SU 5357; the original description ... "it was said to have been taken at the ... lands", but the label on the bottle ...ety Islands". Sent to the museum of ... College, Oakland by Rev. J. H. Henry

...GONIUS Jordan and Starks 1904, Proc. ...at. Mus., vol. 27, no. 1351, p. 153, ... 4.

... SU 7370 (mistakenly 7380 in the de- ... Niigata, in Echigo, Japan. Presented ... by Dr. Ishikawa of the Imperial Museum

Family HEXAGRAMMIDAE

... ABURACO Jordan and Starks 1903, Proc. ...lat. Mus., vol. 26, no. 1348, p. 1008, ...

... SU 7374; Tokyo, Japan. Collectors: ... Jordan and John O. Snyder; summer of ...*atype* (1): SU 7196; Nagasaki, Japan. ... and date as for holotype. *Paratypes* ...79; Hokodate, Japan. Collectors and ...r holotype.

... OTAKII Jordan and Starks 1895, Proc. California Acad. Sci., ser. 2, vol. 5, p. 800, pl. 77.

Syntype (1): SU 3704; in markets at Tokyo, Japan. Collector: Keinosuke Otaki. This specimen bears a "drawn" label. *Syntypes* (3): SU 3704; data as for the preceding. The above specimens constitute the 4 specimens mentioned in the original description. However, there is another specimen (SU 23802) bearing the label "*Hexagrammos otakii* Type" and also the label "drawn", from Yokohama, Japan, collected by Jordan and Snyder. This cannot be a type as it was collected after the description was published, and also was not mentioned in Jordan and Starks' later revision of the Hexagrammidae of Japan (1903, Proc. U.S. Nat. Mus., vol. 26, no. 1348, pp. 1003-1013).

Family PLATYCEPHALIDAE

ELATES THOMPSONI Jordan and Seale 1907, Bull. U.S. Bureau Fish., vol. 26 for 1906, p. 39, fig. 12.

Paratype (1): SU 9247; Manila, Philippine Islands. Collector: George A. Lung; summer of 1900. *Paratype* (1): SU 9975; data as for the preceding. *Holotype*: U.S. Nat. Mus. 53068.

HYALORHYNCHUS PELLUCIDUS Ogilby 1910, Proc. Royal Soc. Queensland, vol. 23, p. 118.

Syntypes (4): SU 23880; off the coast of Queensland from several localities as listed in the description. Collector: F. I. S. "Endeavour"; 1910. There may be an error here, somewhere, as there were only 4 specimens in the original description and Stanford has 4. A note in the bottle states "*Elates thompsoni*—cotypes *Hyalorhynchus pellucidus* Ogilby, Coast of Queensland."

INSIDIATOR DETRUSUS Jordan and Seale 1905, Proc. Davenport Acad. Sci., vol. 10, p. 15, pl. 10.

Holotype: SU 9067; market at Hong Kong, China. Collector: William Finch; summer of 1900.

SORSOGONA SERRULATA Herre 1934, The Fishes of the Herre Philippine Expedition of 1931, Newspaper Enterprise Ltd., Hong Kong, p. 67.

Holotype: SU 26771; Magallanes, Sorsogón Province, Luzón, Philippine Islands. Collector: Albert W. C. T. Herre; June, 1931.

BEMBRADIUM ROSEUM Gilbert 1905, Bull. U.S. Fish Comm., vol. 23 for 1903, part 2, sect. 2, p. 637, pl. 82.

Paratype (1): SU 8653; Station 3859, Pailolo Channel, between Molokai and Maui Islands, Hawaiian Islands (Mokuhooniki Islet, N. 18°, E. 5.6'); 138-140 fathoms. Collector: "Albatross"; April 9, 1902.
Holotype: U.S. Nat. Mus. 51617.

Family HOPLICHTHYIDAE

HOPLICHTHYS CITRINUS Gilbert 1905, Bull. U.S. Fish Comm., vol. 23 for 1903, part 2, sect. 2, p. 640, fig. 249.

Paratype (1): SU 8627; Station 4081, off the northeast coast of Maui, Hawaiian Islands (Puniawa Point, S. 17° 45', E. 7.6'); 202-220 fathoms. Collector: "Albatross"; July 21, 1902. *Paratype* (1): SU 17462; Station 3859, Pailolo Channel, between Molokai and Maui Islands, Hawaiian Islands (Mokuhooniki Islet, N. 18°, E. 5.6'); 138-140 fathoms. Collector: "Albatross"; April 9, 1902. *Paratype* (1): SU 17463; Station 4103, Pailolo Channel, between Molokai and Maui Islands, Hawaiian Islands (Mokuhooniki Islet, N. 32° 45', E. 6.7'); 132-141 fathoms. Collector: "Albatross"; July 23, 1902. *Paratype* (1): SU 17464; Station 3858, Pailolo Channel, between Molokai and Maui Islands, Hawaiian Islands (Mokuhooniki Islet, N. 35°, E. 8.1'); 128-138 fathoms. Collector: "Albatross"; April 9, 1902.
Holotype: U.S. Nat. Mus. 51610.

HOPLICHTHYS GILBERTI Jordan and Richardson 1908, Proc. U.S. Nat. Mus., vol. 33, no. 1581, p. 647, fig. 6.

Paratypes (2): SU 20229; off Ose Point, Suruga Bay, Japan; 75-100 fathoms. Collector: "Albatross"; 1900.
Holotype: U.S. Nat. Mus. 51271.

HOPLICHTHYS REGANI Jordan and Richardson, in: Jordan 1908, Amer. Nat., vol. 42, p. 800. Based on the description of *H. langsdorfii* in Jordan and Richardson 1908, Proc. U.S. Nat. Mus., vol. 33, no. 1581, p. 645, fig. 5.

Holotype: SU 22390; Sakarajima, Kagoshima, Japan. Presented to Stanford University by Professor Kakichi Mitsukuri of the Imperial Museum of Japan.

Family CONGIOPODIDAE

OCOSIA VESPA Jordan and Starks 1904, Proc. U.S. Nat. Mus., vol. 27, no. 1351, p. 162, fig. 17.

Syntype (1): SU 7375; Station 3762, off Honshu Island, Japan (Suno Saki, S. 59°, E. 2.8 m.); 42-49 fathoms. Collector: "Albatross"; May 22, 1900. *Syntype* (1): SU 7376; Station 3767 (the label on the bottle gives Station 3757), off Honshu Island, Japan (3767, off Obora Saki; 3757, off Suno Saki). Collector: "Albatross"; 1900.
Syntypes: The original description states "The types are in the U.S. National Museum and are numbered 50911. Cotypes are numbered 7375 and 7376 Leland Stanford Junior Ichthyological collection." It thus appears that there is more than a single specimen in U.S. Nat. Mus. 50911 and all specimens must be considered syntypes.

SNYDERINA YAMANOKAMI Jordan and Starks 1901, Proc. California Acad. Sci., ser. 3, Zoo. no. 8, p. 381, pl. 20.

Holotype: SU 6433; said to be collected oshima in Kiusiu, Japan. Presented to University by Prof. Kakichi Mitsukuri.

Family COTTIDAE

ACANTHOCOTTUS LATICEPS Gilbert 1895, Comm. Fish and Fish., part 19 for 422, pls. 26 and 27.

Syntypes (4): SU 3016; near mouth of River, Alaska. Collector: "Albatross".

ACANTHOCOTTUS SELLARIS Gilbert 1895, Comm. Fish and Fish., part 19 for 419.

Syntypes (35): SU 2847; Station 3232, (58° 31' 30" North Latitude, 157° 34' Longitude); 10.5 fathoms. Collector: "A June 2, 1890. *Syntypes* (24): SU 2846 3230, Bering Sea (58° 31' 30" North Lati 13' 30" West Longitude); 3.25 fathoms. "Albatross"; May 31, 1890.

AINOCOTTUS ENSIGER Jordan and Starks 1 U.S. Nat. Mus., vol. 27, no. 135 fig. 23.

Holotype: SU 7709; Hakodate, Japan. David Starr Jordan and John O. Snyder, 1900. *Paratypes* (4): SU 7596; data exa holotype.

ANTIPODOCOTTUS GALATHEAE Bolin 1952, Vid Dansk naturh. Foren., bd. 114, p. 1 and 2.

Paratype (1): SU 17360; in a three-m trawl at Station 626, Tasman Sea, 42° Latitude, 170° 10' East Longitude; 5 Collector: Royal Danish Naval Frigate January 20, 1952.
Holotype: Copenhagen Univ. Zool. Mus.

ARCHAULUS BISERIATUS Gilbert and Burke U.S. Bureau Fish., vol. 30 for 1 fig. 1.

Paratypes (4): SU 22238; Station 47 miles from Semisopochnoi Island, Petre ing Sea (52° 12' North Latitude, 17 Longitude); 33-43 fathoms. Collector: June 5, 1906.
Holotype: in the U.S. Nat. Mus.

ARTEDIELLUS ATLANTICUS Jordan and Eve Bull. U.S. Nat. Mus. No. 47, part

Syntypes (3): SU 448; Massachusetts lector: U.S. Fish Commission.

CANCHATICUS Gilbert and Burke 1912, J.S. Bureau Fish., vol. 30 for 1910, fig. 6.

(7): SU 22384; Station 4797, 5 miles schkof Island, off the coast of Kam- 47' 20" North Latitude, 158° 44' 30" de); 58-69 fathoms. Collector: "Alba- 20, 1906.
in the U.S. Nat. Mus.

MIACANTHUS Gilbert and Burke 1912, J.S. Bureau Fish., vol. 30 for 1910, p. 7.

(4): SU 22243; Station 4795, 4.8 miles schkof Island, off the east coast of off Petropavlovsk (52° 46' 50" North 158° 44' 30" East Longitude); 48-69 ollector: "Albatross"; June 20, 1906.
4): SU 22229; Station 4794, 5 miles schkof Island (52° 47' 20" North Lati- 44' 30" East Longitude); 58-69 fathoms. "Albatross"; June 20, 1906.
in the U.S. Nat. Mus.

S PACIFICUS Gilbert 1895, Rept. U.S. Fish and Fish., part 19 for 1893, p.

ratypes (41): SU 2605; Station 3251, (57° 35' 50" North Latitude, 164° 05' ude); 37.5 fathoms. Collector: "Alba- ne 14, 1890. *Lecto-paratypes* (5): SU on 3293, Bering Sea (57° 30' North Lat- 33' West Longitude); 30 fathoms. Col- lbatross"; July 18, 1890. *Lecto-para-*: SU 2604; Station 3278, Bering Sea (56° th Latitude, 162° 13' West Longitude); . Collector: "Albatross"; June 28,

lotype: in the U.S. Nat. Mus. While no elected in the original description, Evermann 1898, Bull. U.S. Nat. Mus. No. , p. 1908, state "Type, in the U.S. Nat.

SPERULUS Starks 1896, Proc. California Sci., ser. 2, vol. 6, p. 553.

(3): SU 5046; vicinity of Port Ludlow, . Collector: Edwin C. Starks; July,

S TAYLORI Gilbert 1912, Contribs. Canad- Biol., Marine Biol. Stations of Canada, 1910, art. 12, p. 215.

: SU 23071; Departure Bay, Vancouver Is- tish Columbia. Collector: Rev. G. W.

US TRIBRANCHIUS Bolin 1936, Proc. U.S. Mus., vol. 84, no. 3000, p. 30, fig. 6.

es (3): SU 30457; Station 4815, 21.5 Niigata Light, Japan (38° 16' North Latitude, 138° 52' East Longitude); 70 fathoms. Collector: "Albatross"; July 18, 1906.
Holotype: U.S. Nat. Mus. 102106.

AXYRIAS HARRINGTONI Starks 1896, Proc. California Acad. Sci., ser. 2, vol. 6, p. 554, pl. 74.

Holotype: SU 5047; vicinity of Port Ludlow, Washington. Collector: Edwin C. Starks; July, 1896.

BLENNICOTTUS GLOBICEPS BRYOSUS Jordan and Starks 1895, Proc. California Acad. Sci., ser. 2, vol. 5, p. 808.

Syntypes (6): SU 3404; in pools in sand near Neah Bay, near Cape Flattery, in the Straits of Juan de Fuca, Washington. Collector: Edwin C. Starks; July, 1895.

BLENNICOTTUS RECALVUS Greeley 1901, Bull. U.S. Fish Comm., vol. 19 for 1899, p. 9, fig. 1.

Holotype: SU 6068; Pacific Grove, California. Collectors: Arthur W. Greeley and Rheinart P. Cowles; March 30, 1898.

BLEPSIAS DRACISCUS Jordan and Starks 1904, Proc. U.S. Nat. Mus., vol. 27, no. 1358, p. 322, fig. 40.

Holotype: SU 7720; Aomori, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (10): SU 7576; Hakodate, Japan. Collectors and date as for the preceding. *Paratypes* (2): SU 7937; data as for the preceding. *Paratypes* (7): SU 5667; Iturup Island, Shana Bay, Kuriles, Japan. Collector: "Albatross"; September 4, 1896.

CERATOCOTTUS LUCASI Jordan and Gilbert, in: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 2, p. 1940.

Paratype (1): SU 5661; near St. Paul Island, Alaska. Collector: David Starr Jordan.
Holotype: U.S. Nat. Mus. 48234.

CERATOCOTTUS NAMIYEI Jordan and Starks 1904, Proc. U.S. Nat. Mus., vol. 27, no. 1358, p. 259, fig. 13.

Holotype: SU 8108; Nemuro in Hokkaido, Japan. Collector: M. Namiye.

COTTIUSCULUS GONEZ Schmidt MS, in: Jordan and Starks 1904, Proc. U.S. Nat. Mus., vol. 27, no. 1358, p. 298, fig. 29.

Syntypes (5): SU 7713; Aneiva Bay, Saghalin (the Stanford register gives America Bay). Collector: Peter J. Schmidt.

COTTIUSCULUS SCHMIDTI Jordan and Starks 1904, Proc. U.S. Nat. Mus., vol. 27, no. 1358, p. 299, fig. 300.

Paratypes (4): SU 7714; Station 3772, off Honshu Island, Japan (Kinkwasan Light, N. 34°, W. 7.5 m.); 79 fathoms. Collector: "Albatross"; June 5, 1900. **Paratypes* (5): SU 7588; Station 3773, off Kinkazwan Island in Matsushima Bay, Japan (Kinkwasan Light, N. 49°, W. 5.9 m.); 78 fathoms. Collector: "Albatross"; June 5, 1900.
Holotype: U.S. Nat. Mus. 50923.

COTTUS ALEUTICUS Gilbert 1895, Rept. U.S. Comm. Fish and Fish., part 19 for 1893, p. 418.

Syntypes (19): SU 2610; small stream passing through the village of Iliuliuk, Unalaska. Collector: "Albatross".

COTTUS ANNAE Jordan and Starks, in: Jordan 1896, Proc. California Acad. Sci., ser. 2, vol. 6, p. 223, pl. 27.

Syntypes (4): SU 1309 (all included in this number, although the description lists them as numbers 1305, 1308, 1309, and 1310); Eagle River at Gypsum, Colorado. Collectors: David Starr Jordan, Barton W. Evermann, Bert Fesler, and Bradley M. Davis.

COTTUS ASPERRIMA Rutter 1908, Bull. U.S. Bureau Fish., vol. 27 for 1907, p. 144, fig. 3.

Paratypes (2): SU 9968; Fall River at Dana, California. Collectors: Cloudsley M. Rutter and Fred M. Chamberlain; 1898-1899.
Holotype: U.S. Nat. Mus. 58500.

COTTUS CHAMBERLAINI Evermann and Goldsborough 1907, Bull. U.S. Bureau Fish., vol. 26 for 1906, p. 308, fig. 66.

Paratype (1): SU 20011; the collector's label was lost but the authors are sure the specimens came from fresh water at Loring, Alaska. Collector: Fred M. Chamberlain; 1903.
Holotype: U.S. Nat. Mus. 57823.

COTTUS KAZIKA Jordan and Starks 1904, Proc. U.S. Nat. Mus., vol. 27, no. 1358, p. 265, fig. 15.

Holotype: SU 7705; streams at Niigata, Japan. Collector: Eitaro Iijima. *Paratypes* (5): SU 7578; Tsuruga, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. The Stanford register gives the collector as Peter J. Schmidt.

COTTUS KLAMATHENSIS Gilbert 1898, Bull. U.S. Fish Comm., vol. 17 for 1897, p. 10, fig.

Paratypes (63): SU 6290; Upper Klamath Lake near Klamath Falls, Oregon. Collectors: Charles H. Gilbert, Frank Cramer, and Keinosuke Otaki; June 13, 1894.
Holotype: U.S. Nat. Mus. 48226.

COTTUS LEIOPOMUS Gilbert and Evermann 1 U.S. Fish Comm., vol. 14 for 189 pl. 20.

Paratype (1): SU 1178 (mistakenly 11 description); Upper Little Wood River, Idaho. Collector: H. H. Kinsey; Septem This specimen was catalogued twice, the as 11151.
Holotype: U.S. Nat. Mus. 45389.

COTTUS MACROPS Rutter 1908, Bull. U. Fish., vol. 27 for 1907, p. 146, fi

Paratypes (4): SU 24186; Fall River California. Collectors: Cloudsley M. F Fred M. Chamberlain; August 28, 1898.
Holotype: U.S. Nat. Mus. 58499.

COTTUS NOZAWAE Snyder 1911, Proc. U.S. vol. 40, no. 1836, p. 537.

Paratypes (2): SU 21425; Ishikari Riv poro, Japan. Collectors: John O. Snyder itaro Sindo; 1906.
Holotype: U.S. Nat. Mus. 68237.

COTTUS PERPLEXUS Gilbert and Evermann 1 U.S. Fish Comm., vol. 14 for 189 pl. 20.

Paratypes (17): SU 1324; Skookumchuck Chehalis, Washington. Collectors: C Gilbert and Oliver P. Jenkins; August 28
Holotype: U.S. Nat. Mus. 45387.

COTTUS PHILONIPS Eigenmann and Eigenmann American Naturalist, p. 963.

Syntype (1): SU 527; Kicking Horse Field, British Columbia. Collector: Car mann.

COTTUS SHASTA Jordan and Starks, in: Jo Proc. California Acad. Sci., ser. p. 224.

Syntypes (3): SU 4196; McCloud River Shasta County, California. Collector Starks.

CROSSIAS ALLISI Jordan and Starks 1904, Nat. Mus., vol. 27, no. 1358, p. 29

Holotype: SU 7711; Hakodate, Japan. tors: David Starr Jordan and John O. Sny of 1900. **Paratypes* (34): SU 7579; da as for holotype. (The Stanford regis Peter J. Schmidt as the collector.)

DARUMA SAGAMIA Jordan and Starks 1904, Nat. Mus., vol. 27, no. 1358, p. 2

Paratype (1): SU 7702; Station 3729, Island, Japan (Omai Zaki Light, N. 17°, E

Collector: "Albatross"; May 16, 1900.
): SU 8557; Station 3762, Owari Bay,
id, Japan (Suno Saki, S. 59°, E. 2.8
athoms. Collector: "Albatross"; May
Paratype (1): SU 7850; Station 3763,
Honshu Island, Japan (Suno Saki, S.
m.); 49-52 fathoms. Collector: "Al-
y 22, 1900.
U.S. Nat. Mus. 50914.

PICATA Gilbert 1895, Rept. U.S. Comm.
nd Fish., part 19 for 1893, p. 430,
.

3): SU 2420; Station 3222, Bering Sea
th Latitude, 165° 30' West Longitude);
Collector: "Albatross"; May 22, 1890.

URINUS Gilbert 1914, Proc. U.S. Nat.
vol. 47, no. 2049, p. 135, pl. 11,
.

1): SU 57; Station 2893, Santa Barbara
uthern California (34° 12' 30" North
20° 32' 30" West Longitude); 145 fath-
ctor: "Albatross"; January 5, 1889.
e U.S. Nat. Mus. 75064.

CALLATOR Jordan and Snyder 1901, Proc.
lfrnia Acad. Sci., ser. 3, Zool., vol. 2,
, pl. 18.

: SU 6432; taken in the Kuro Shiwo, or
nt, at a depth of 290 fathoms off the
saki, Sagami Province, Japan. Collec-
Kakichi Mitsukuri.

RELLIO Greeley 1901, Bull. U.S. Fish
vol. 19 for 1899, p. 18, fig. 5.

(1): SU 6066; Pacific Grove, California.
Arthur W. Greeley and Alfred G. Mad-
or 1898.

SHIKAWAE Jordan and Starks 1904, Proc.
Nat. Mus., vol. 27, no. 1358, p. 303,
32.

: SU 7715; Myiako in Rikuchu, Japan.
David Starr Jordan and John O. Snyder
summer of 1900 ? (the Stanford register
collector as Keinosuke Otaki). *Para-*
SU 7582; Hakodate, Japan. Collectors:
r Jordan and John O. Snyder; summer of
atypes (18): SU 7580; data as for the
Paratypes (4): SU 7587; Wakanoura,
lectors and date as for the preceding.

INAE Jordan and Starks 1904, Proc. U.S.
Mus., vol. 27, no. 1358, p. 305, fig. 33.

: SU 7716; Hakodate, Japan. Collectors:
r Jordan and John O. Snyder; summer of
types (2): SU 7584; Misaki, Japan. Col-
d date as for holotype. The Stanford
lso states that the 4 specimens called paratypes of *F. ishikawae*, no. 7582 above, are paratypes of *F. osimae* instead—which they may be.

GYMNOCANTHUS DETRISUS Gilbert and Burke 1912, Bull. U.S. Bureau Fish., vol. 30 for 1910, p. 61, fig. 13.

Paratypes (2): SU 22361; Station 4798, 8.5 miles off the mouth of the Aangan River, west coast of Kamchatka (51° 37' North Latitude, 156° 21' East Longitude); 25 fathoms. Collector: "Albatross"; June 21, 1906.
Holotype: in the U.S. Nat. Mus.

GYMNOCANTHUS HERZENSTEINI Jordan and Starks 1904, Proc. U.S. Nat. Mus., vol. 27, no. 1358, p. 294, fig. 27.

Holotype: SU 7710; Hakodate, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratype* (1): SU 7572; data exactly as for holotype.

HEMILEPIDOTUS GILBERTI Jordan and Starks 1904, Proc. U.S. Nat. Mus., vol. 27, no. 1358, p. 254, fig. 10.

Holotype: SU 7446; Hakodate, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (2): SU 7573; data exactly as for holotype.

HEMILEPIDOTUS ZAPUS Gilbert and Burke 1912, Bull. U.S. Bureau Fish., vol. 30 for 1910, p. 54, fig. 10.

Paratypes (3): SU 22493; Station 4778, about 12 miles from Semisopochnoi Island, Petrel Bank, Bering Sea (52° 12' North Latitude, 179° 52' East Longitude); 33-43 fathoms. Collector: "Albatross"; June 5, 1906.
Holotype: in the U.S. Nat. Mus.

ICELINUS BOREALIS Gilbert 1895, Rept. U.S. Comm. Fish and Fish., part 19 for 1893, p. 415, pl. 25.

Syntypes (34): SU 2292; Station 3222, Bering Sea (54° 20' North Latitude, 165° 30' West Longitude); 50 fathoms. Collector: "Albatross"; May 22, 1890. *Syntypes* (6): SU 2291; Station 3321, Bering Sea (53° 33' 30" North Latitude, 167° 15' 40" West Longitude); 54 fathoms. Collector: "Albatross"; August 18, 1890.

ICELINUS BURCHAMI Evermann and Goldsborough 1907, Bull. U.S. Bureau Fish., vol. 26 for 1906, p. 297, fig. 48.

Paratype (1): SU 22614; Station 4228, off Loring, Alaska (Indian Point, N. 18° E., 0.9 miles); 41-134 fathoms. Collector: "Albatross"; July 7, 1903. The number was mistakenly given as SU 20010 in the description.
Holotype: U.S. Nat. Mus. 57822.

ICELINUS CAVIFRONS Gilbert 1890, Proc. U.S. Nat. Mus., vol. 13, no. 797, p. 83.

Syntype (1): SU 28111; Station 2907, Santa Barbara Islands, off southern California (34° 24' 30" North Latitude, 120° 20' West Longitude); 44 fathoms. Collector: "Albatross"; January 8, 1889. *Syntype* (1): SU 148; data as for the preceding. *Syntypes* (4): SU 69; Station 2945, Santa Barbara Islands, off southern California (34° 00' North Latitude, 119° 29' 30" West Longitude); 30 fathoms. Collector: "Albatross"; February 6, 1889.

Syntypes: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 2, p. 1892, give U.S. Nat. Mus. 44405 for the "type". While this appears to be a lectotype designation, 2 specimens bear the number.

ICELINUS FILAMENTOSUS Gilbert 1890, Proc. U.S. Nat. Mus., vol. 13, no. 797, p. 85.

Syntype (1): SU 118; Station 2893, off southern California (34° 12' 30" North Latitude, 120° 32' 30" West Longitude); 145 fathoms. Collector: "Albatross"; January 5, 1889. *Syntype* (1): SU 28109; data as for the preceding.

ICELINUS FUSCESCENS Gilbert 1915, Proc. U.S. Nat. Mus., vol. 48, no. 2075, p. 340, pl. 17, fig. 9.

Paratype (1): SU 22981; Station 4410, 2.8 miles off Long Point, Santa Catalina Island, southern California; 178-195 fathoms. Collector: "Albatross"; April 11, 1904. *Paratype* (1): SU 22985; Station 4418, 6.9 miles from SW rock, Santa Barbara Island, southern California; 238-310 fathoms. Collector: "Albatross"; April 12, 1904. *Paratypes* (6): SU 23001; Station 4421, 3.8 miles from east point of San Nicolas Island, southern California; 229-298 fathoms. Collector: "Albatross"; April 12, 1904. *Paratype* (1): SU 22991; Station 4471, 5.3 miles off Point Pinos Light House, Monterey Bay, California; 65-303 fathoms. Collector: "Albatross"; May 14, 1904.

Holotype: U.S. Nat. Mus. 75812.

ICELINUS OCULATUS Gilbert 1890, Proc. U.S. Nat. Mus., vol. 13, no. 797, p. 87.

Holotype: SU 80; Station 2935, off southern California (32° 44' 30" North Latitude, 117° 23' West Longitude); 124 fathoms. Collector: "Albatross"; February 4, 1889.

ICELINUS STRABO Starks 1896, Proc. California Acad. Sci., ser. 2, vol. 6, p. 551.

**Syntypes* (19): SU 5045 (mistakenly 5451 in Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 2, p. 1898); near Port Ludlow, Washington. Collector: Edwin C. Starks.

ICELINUS TENUIS Gilbert 1890, Proc. U.S. Nat. Mus., vol. 13, no. 797, p. 86.

Syntypes (3): SU 78; Station 2959, off Point Conception, southern California (34° 06' Latitude, 120° 18' West Longitude); 5[illegible] Collector: "Albatross"; February 9, 1889. (1): SU 28110; data as for the preceding.

ICELUS CANALICULATUS Gilbert 1895, R[illegible] Comm. Fish and Fish., part 19 for 412, pl. 24.

Syntypes (4): SU 2182; Station 3329, Unalaska, Bering Sea (53° 56' 50" North 167° 08' 15" West Longitude); 399 fatho lector: "Albatross"; August 21, 1890.

ICELUS SPATULA Gilbert and Burke 1912, [illegible] Bureau Fish., vol. 30 for 1910, p. 3 and 3a.

Paratypes (5): SU 40931; Station 4794 from Staritschkof Island, off Avatcha chatka (52° 47' 20" North Latitude, 15[illegible] East Longitude); 58-69 fathoms. Collect tross"; June 20, 1906.

Holotype: in the U.S. Nat. Mus.

ICELUS SPINIGER Gilbert 1895, Rept. U[illegible] Fish and Fish., part 19 for 1893 pl. 24.

Syntypes (2): SU 2266; Station 3226, Alaska (55° 01' North Latitude, 167° 25' itude); 128 fathoms. Collector: "Albat 23, 1890. *Syntypes* (16): SU 2269; Sta Bering Sea (56° 56' North Latitude, 172 Longitude); 71 fathoms. Collector: "A August 4, 1890. *Syntypes* (40): SU 223 3225, Bering Sea (54° 48' 30" North Lat 49' West Longitude); 85 fathoms. Colle batross"; May 22, 1890.

ICELUS UNCINALIS Gilbert and Burke 1[illegible] U.S. Bureau Fish., vol. 30 for 19 figs. 2 and 2a.

Paratypes (2): SU 25237; Station 4792 off Cape Monati, Bering Island (54° 36' Latitude, 166° 57' 15" East Longitude); Collector: "Albatross"; June 14, 1906.

Holotype: in the U.S. Nat. Mus.

ICELUS VICINALIS Gilbert 1895, Rept. Fish and Fish., part 19 for 1893,

Syntypes (12): SU 3018; Station 33 Sea (54° 01' 40" North Latitude, 166° 4 Longitude); 350 fathoms. Collector: " August 21, 1890. *Syntype* (1): SU 34[illegible] 3324, Bering Sea (53° 33' 50" North Lat 46' 50" West Longitude); 109 fathoms. "Albatross"; August 20, 1890.

Syntypes: Jordan and Evermann 1898, Nat. Mus. No. 47, part 2, p. 1917, giv Mus. 48737 for the "type". While this be a lectotype designation, 2 specime number.

...*VOPE* Starks 1895, Proc. Acad. Nat. Sci. ...lphia, p. 410.

...(3): SU 3124; channel rocks at Point ...ar Seattle, Washington. Collectors: ... and Adam Hubbart, members of the Young ...s Club of Seattle; July, 1895.

...*'S KINCAIDI* Gilbert and Thompson 1905, ... U.S. Nat. Mus., vol. 28, no. 1414, p. ... ig. 2.

...(10): SU 21406; Brinnon, Hood's Canal, ... Collector: Trevor Kincaid. ... U.S. Nat. Mus. 53028.

...*LUS EDONIUS* Jordan and Starks 1904, ... U.S. Nat. Mus., vol. 27, no. 1358, p. ...ig. 18.

...: SU 7707; Aino village of Edomo, near ...apan. Collectors: David Starr Jordan ... Snyder; summer of 1900.

...*LUS PARVULUS* Gilbert and Burke 1912, ... U.S. Bureau Fish., vol. 30 for 1910, p. ...g. 12.

...(1): SU 22369; Medni Island (according ...cription, the "cotypes" should be from ...Bering Island, only the type being from ...llector: "Albatross"; summer of 1906. ... in the U.S. Nat. Mus.

...*LUS RANINUS* Jordan and Starks 1904, Proc. ...Nat. Mus., vol. 27, no. 1358, p. 277, ... 20.

...: SU 7708; Aomori, Japan. Collectors: ...r Jordan and John O. Snyder; summer of ...*atypes* (5): SU 7595; data as for holo- ...pt that the Stanford register gives the ...as Keinosuke Otaki. *Paratypes* (5): SU ...ran, Japan. Collectors and date as for ... *Paratypes* (15): SU 7591; Otaru, Japan. ...and date as for holotype. *Paratypes* ...938; Hakodate, Japan. Collectors and ...r holotype.

...*MASCHALIS* Jordan and Starks 1904, Proc. ... Nat. Mus., vol. 27, no. 1358, p. 307, ... 34.

... and 1 *paratype* (in one bottle, the holo- ... 55 mm.): SU 7717; Wakanoura, Japan. ...: David Starr Jordan and John O. Snyder; ...1900. *Paratypes* (6): SU 7583; Enoshima, ...llectors and date as for holotype.

...*MODESTUS* Snyder 1911, Proc. U.S. Nat. ... vol. 40, no. 1836, p. 539.

... (1): SU 21426; Same, Japan. Collectors: ...yder and Michitaro Sindo; 1906. ...: U.S. Nat. Mus. 68240.

OLIGOCOTTUS ACUTICEPS Gilbert 1895, Rept. U.S. Comm. Fish and Fish., part 19 for 1893, p. 432.

Syntypes (2): SU 3027; tide pools at Unalaska, Alaska. Collector: "Albatross". *Syntype* (1): SU 5867; Departure Bay, Vancouver Island, British Columbia. Collector: "Albatross".

OLIGOCOTTUS BOREALIS Jordan and Snyder, in: Jordan 1896, Proc. California Acad. Sci., ser. 2, vol. 6, p. 225.

Syntypes (27): SU 3396; tide pools of Neah Bay, Puget Sound, Washington. Collector: Edwin C. Starks. *Syntypes* (4): SU 2985; Departure Bay, Vancouver Island, British Columbia, Canada. Collector: Charles H. Gilbert.

OLIGOCOTTUS EMBRYUM Jordan and Starks 1895, Proc. California Acad. Sci., ser. 2, vol. 5, p. 808, pl. 82.

Syntypes (2): SU 3128; tide pools left in the sand on a beach several miles east of Neah Bay, Washington. Collector: Edwin C. Starks; July, 1895.

OLIGOCOTTUS SNYDERI Greeley MS, in: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 3, p. 2874 (description under name *Oligocottus maculosus* in Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 2, p. 2013).

Syntype (1): SU 5846; Pacific Grove, California. Collectors: Arthur W. Greeley and Alfred G. Maddren; January 1, 1897. *Syntypes* (5): SU 5847; data as for the preceding. No types were designated in Jordan and Evermann, because no type description (as such) was written. Jordan and Evermann's description of *Oligocottus maculosus* must stand as Greeley's description of *Oligocottus snyderi*.

POROCOTTUS BRADFORDI Rutter, in: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 3, p. 2862.

Syntypes (57): SU 6063; rock pools at Karluk, Kadiak Island, Alaska. Collector: Cloudsley M. Rutter.

PRIONISTIUS JORDANI Schmidt MS, in: Jordan and Starks 1904, Proc. U.S. Nat. Mus., vol. 27, no. 1358, p. 252, fig. 9.

Syntype (1): SU 7704; Vladivostok, Peter the Great Bay, Siberia. Collector: Peter J. Schmidt.

PSEUDOBLENNIUS ZONOSTIGMA Jordan and Starks 1904, Proc. U.S. Nat. Mus., vol. 27, no. 1358, p. 312, fig. 35.

Holotype: SU 7718; Misaki, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of

1900. *Paratype* (1): SU 7565; Nagasaki, Japan. Collectors and date as for holotype.

RADULINUS ASPRELLUS Gilbert 1890, Proc. U.S. Nat. Mus., vol. 13, no. 797, p. 88.

Lecto-paratypes (4): SU 25; Station 3046, off Tillamook Head, Oregon (46° 48' 30" North Latitude, 124° 28' West Longitude); 48 fathoms. Collector: "Albatross"; June 7, 1889.
Lecto-holotype: U.S. Nat. Mus. 43096. While no type was selected in the original description, Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 2, p. 1921, give the above U.S. Nat. Mus. number for the "type"—this amounting to a lectotype designation.

RADULINUS (RADULINELLUS) VINCULUS Bolin 1950, Copeia, no. 3, p. 197, fig. 1.

Holotype: SU 15491; Bechers Bay, Santa Rosa Island, California; 15 fathoms. Collectors: Arthur Flechsig and Taylor on the research vessel "Orca" of the Sefton Foundation; January 28, 1949.

RHEOPRESBE FUJIYAMAE Jordan and Starks 1904, Proc. U.S. Nat. Mus., vol. 27, no. 1358, p. 270, fig. 16.

Holotype: SU 7706; Japanese label states "locality unknown", but English label gives the locality as from Odawara, a town on Sagami Bay, near the foot of the famous sacred mountain of Fuji or Fujiyama, Japan. Presented to Stanford University by Prof. Kakichi Mitsukuri.

RUSCARIUS MEANYI Jordan and Starks 1895, Proc. California Acad. Sci., ser. 2, vol. 5, p. 805, pl. 80.

Syntypes (2): SU 3127; Puget Sound, near Seattle, Washington. Collector: Edwin C. Starks; July, 1895.

RUSCICULUS RIMENSIS Greeley 1901, Bull. U.S. Fish Comm., vol. 19 for 1899, p. 13, fig. 3.

Holotype: SU 6067; Point Lobos, Monterey County, California. Collector: Arthur W. Greeley; 1897-1898.

RUSULUS SABURRAE Starks and Mann 1911, Univ. California Publ. Zool., vol. 8, no. 2, p. 14, fig. 2.

Holotype: SU 23615; opposite Ballast Point, mouth of San Diego Bay, California; 10 fathoms. Collectors: Marine Biological Association of San Diego.

SCHMIDTIA MISAKIA Jordan and Starks 1904, Proc. U.S. Nat. Mus., vol. 27, no. 1358, p. 237, fig. 2.

Paratype (1): SU 7506; Station 3698, Sagami Bay, Honshu Island, Japan (Manazuru Zaki, 4.5 m.); 153 fathoms. Collector: "Alba 5, 1900.
Holotype: U.S. Nat. Mus. 50913.

SIGMISTES CAULIAS Rutter, in: Jordan an 1898, Bull. U.S. Nat. Mus. No. 4 p. 2863.

Holotype and 4 *paratypes* (in one bott immediately be separated; should be c syntypes unless and until someone can them): SU 5884; rock pools at Karkuk, land, Alaska. Collector: Cloudsley M.

STELGISTRUM BERINGIANUM Gilbert and B. Bull. U.S. Bureau Fish., vol. 30 f 52, fig. 9.

Paratype (1): SU 22245; Station 4777 miles from Semisopochnoi Island, Pet Aleutian Group, Bering Sea (52° 11' Nort 179° 49' East Longitude); 43-52 fathoms tor: "Albatross"; June 5, 1906.
Holotype: in the U.S. Nat. Mus.

STELGISTRUM MORORANE Jordan and Seale 1 U.S. Nat. Mus., vol. 30, no. 144 fig. 4.

Holotype: SU 9260; harbor of Mororan, Hokkaido, Japan. Collectors: David St and John O. Snyder; summer of 1900.

STLENGIS DISTOECHUS Bolin 1936, Proc. Mus., vol. 83, no. 2987, p. 328, f 34, A.

Paratype (1): SU 28727; Station 4968 off Shio Misaki Light, off the coast o Japan (33° 24' 50" North Latitude, 1 East Longitude); 253 fathoms. Collec tross"; August 29, 1906.
Holotype: U.S. Nat. Mus. 94728.

TRIGLOPS BEANI Gilbert 1895, Rept. U.S. and Fish., part 19 for 1893, p. 4

Syntype (1): SU 2422; Station 3296, (57° 26' 30" North Latitude, 158° 46' tude); 24 fathoms. Collector: "Albat 19, 1890. *Syntypes* (6): SU 2418; St Bering Sea (58° 35' North Latitude, 1 West Longitude); 12 fathoms. Collec tross"; June 2, 1890. *Syntypes* (5): S tion 3300, Bering Sea (58° 12' 30" Nor 159° 55' West Longitude); 15 fathoms. "Albatross"; July 20, 1890. *Syntypes* Station 3281, Bering Sea (56° 14' Nor 161° 41' 15" West Longitude); 36 fatho tor: "Albatross"; June 28, 1890. *Sy* SU 2423; Station 3302, Bering Sea North Latitude, 160° 12' 15" West Lo fathoms. Collector: "Albatross"; Ju *Syntypes* (3): SU 2424; Station 3289, (56° 44' 30" North Latitude, 159° 16' tude); 16 fathoms. Collector: "Alba 18, 1890.

OPIAS Gilbert and Burke 1912, Bull. reau Fish., vol. 30 for 1910, p. 50,

(4): SU 22231; Station 4777, about 12 Semisopochnoi Island, Petrel Bank, 52° 11' North Latitude, 179° 49' East 43-52 fathoms. Collector: "Albatross";

in the U.S. Nat. Mus.

ATISTIUS Gilbert 1913, Proc. U.S. Nat. ol. 44, no. 1963, p. 465, pl. 64.

(1): SU 23064; Gulf of Maine. This s presented to Stanford University by . Mus. from the lot of paratypes num- in the National Collections. U.S. Nat. Mus. 73921.

PTICUS Gilbert 1895, Rept. U.S. Comm. d Fish., part 19 for 1893, p. 428, pl.

(5): SU 2426; Station 3339, south of insula (54° 46' North Latitude, 157° t Longitude); 138 fathoms. Collector: "; August 28, 1890. *Syntypes* (6): SU ion 3223, Bering Sea (54° 26' 15" North ,165° 32' West Longitude); 56 fathoms. "Albatross"; May 22, 1890. *Syntypes* 28; Station 3225, Bering Sea (54° 48' atitude, 165° 49' West Longitude); 85 Collector: "Albatross"; May 22, 1890.

RGINATA T. H. Bean 1881, Proc. U.S. Nat. vol. 4, no. 190, p. 26.

(1): SU 1953; tributaries of the Walla er, Washington. Collector: Captain endire. U.S. Nat. Mus. 24197.

NUS Evermann and Meek 1898, Bull. U.S. Comm., vol. 17 for 1897, p. 83, fig. 6.

(20): SU 5705; lower end of Upper ke, near Klamath Falls, Oregon. Collec- E. Meek and A. B. Alexander; November

: U.S. Nat. Mus. 48229.

Family AGONIDAE

LBERTI Collett 1894, Proc. Zool. Soc. n, p. 670, pl. 45.

(2): SU 2783; Kamchatka. Collector: us Norwegian sailor and relayed to the Christiana via Henry Lund.

ROIDES BARTONI Gilbert 1895, Rept. U.S. Fish and Fish., part 19 for 1893, p.

Syntypes (41): SU 3020; Station 3278, Bering Sea (56° 12' 30" North Latitude, 162° 13" West Longitude); 47 fathoms. Collector: "Albatross"; June 28, 1890. *Syntypes* (46): SU 2978; Station 3285, Bering Sea (56° 45' 45" North Latitude, 160° 42' 45" West Longitude); 35 fathoms. Collector: "Albatross"; July 17, 1890.

AVERRUNCUS EMMELANE Jordan and Starks 1895, Proc. California Acad. Sci., ser. 2, vol. 5, p. 821, pl. 91.

Syntype (1): SU 3135; Point Orchard, Puget Sound, Washington. Collector: Edwin C. Starks; July, 1895. *Syntype* (1): SU 16504; data as for the preceding.

BATHYAGONUS NIGRIPINNIS Gilbert 1890, Proc. U.S. Nat. Mus., vol. 13, no. 797, p. 89.

Syntypes (3): SU 2530; Station 3073, off Washington (47° 28' North Latitude, 125° 15' West Longitude); 477 fathoms. Collector: "Albatross"; June 28, 1889.

DRACISCUS SACHI Jordan and Snyder 1901, Proc. California Acad. Sci., ser. 3, vol. 2, p. 397, pl. 19.

Holotype: SU 6431; Bay of Aomori, Japan. Presented to Stanford University by Sotaro Saito.

IBURIELLA KASAWAE Jordan and Hubbs 1925, Mem. Carnegie Mus., vol. 10, no. 2, pp. 290 and 291, pl. 11, fig. 1.

Paratype (1): SU 23515; Kushiro, Hokkaido, Japan. Collector: Shigeho Tanaka; 1922.
Holotype: Carnegie Mus. 7906—now at the Chicago Nat. Hist. Mus.

OCCA IBURIA Jordan and Starks 1904, Proc. U.S. Nat. Mus., vol. 27, no. 1365, p. 585, fig. 6.

Holotype: SU 7730; Tomakomaki in Iburi, Hokkaido, Japan. From the Sapporo Museum.

OCCA (IBURINA) KURONUMAI Freeman 1951, Stanford Ichthyological Bull., vol. 4, no. 1, p. 24, fig. 2.

Paratype (1): SU 16724; Sea of Japan, close to Niigata (Niigata market). Collectors: Carl L. Hubbs and Kiyomatsu Sakamoto; August 18-20, 1929.
Holotype: Univ. Michigan 160733.

ODONTOPYXIS FRENATUS Gilbert 1895, Rept. U.S. Comm. Fish and Fish., part 19 for 1893, p. 435, pl. 30.

Syntypes (9): SU 2973; Station 3257, Bering Sea (54° 49' North Latitude, 165° 32' West Longitude); 81 fathoms. Collector: "Albatross"; June 24, 1890. *Syntypes* (4): SU 2974; Station 3311, Bering Sea (53° 59' 36" North Latitude, 166° 29' 43" West

Longitude); 85 fathoms. Collector: "Albatross"; August 15, 1890.

ODONTOPYXIS LEPTORHYNCHUS Gilbert 1895, Rept. U.S. Comm. Fish and Fish., part 19 for 1893, p. 437.

Lecto-paratypes (2): SU 2993; Station 3220, Bering Sea (54° 15' North Latitude, 165° 06' West Longitude); 34 fathoms. Collector: "Albatross"; May 22, 1890. *Lecto-paratypes* (6): SU 3017; Station 3265, Bering Sea (55° 16' 30" North Latitude, 163° 52' 45" West Longitude); 38 fathoms. Collector: "Albatross"; June 25, 1890.
Lecto-holotype: U.S. Nat. Mus. 48727. While no type was selected in the original description, Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 2, p. 2076, give the above U.S. Nat. Mus. number for the "type"—this amounting to a lecto-type designation.

PALLASINA AIX Starks 1896, Proc. California Acad. Sci., ser. 2, vol. 5, p. 558, pl. 75.

Holotype: SU 5040; Puget Sound, near Port Ludlow, Washington. Collector: Edwin C. Starks; July, 1896. *Paratypes* (62): SU 16503; data as for the preceding.

PALLASINA ERYNGIA Jordan and Richardson 1907, Proc. U.S. Nat. Mus., vol. 33, no. 1570, p. 264, fig. 2.

Holotype: SU 20165; Nagaoka, coast of Echigo, Japan. Collector: Masao Nakamura.

PODOTHECUS ACCIPITER Jordan and Starks 1895, Proc. California Acad. Sci., ser. 2, vol. 5, p. 816, pl. 88.

Holotype: SU 3835; Robben Island, Okhotsk Sea, Japan. Collector: J. G. Blair.

PODOTHECUS HAMLINI Jordan and Gilbert, in: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 2, pp. 2054 and 2056.

Holotype: SU 5662; Station 3653, off Shana Bay, Iturup Island, Alaska (45° 14' North Latitude, 147° 52' 30" West Longitude); 18 fathoms. Collector: "Albatross"; September 6, 1895.

PODOTHECUS THOMPSONI Jordan and Gilbert, in: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 2, pp. 2054 and 2060.

Syntype (1): SU 5657; Station 3653, off Shana Bay, Iturup Island, Alaska (45° 14' North Latitude, 147° 52' 30" West Longitude); 18 fathoms. Collector: "Albatross"; September 6, 1895. *Syntypes* (2): SU 16505; data as for the preceding.

PODOTHECUS VETERNUS Jordan and Starks 1895, Proc. California Acad. Sci., ser. 2, vol. 5, p. 819, pl. 89.

Holotype: SU 4823; Robben Island, Okh... Japan. Collector: J. G. Blair.

PODOTHECUS XYSTES Snyder 1911, Proc. ... Mus., vol. 40, no. 1836, p. 541.

Holotype: SU 20702; Nagaoka, Japan. C... Masao Nakamura.

XENERETMUS INFRASPINATUS Gilbert 1904, P... ifornia Acad. Sci., ser. 3, vol. ... p. 262, pl. 27.

Holotype (99 mm.) and 1 *paratype* (49... 7930; Station 3673, Flattery Bank, Washi... 21' 45" North Latitude, 124° 50' 30" we... tude); 77 fathoms. Collector: "Albatr... 14, 1897.

XENERETMUS LEIOPS Gilbert 1915, Proc. ... Mus., vol. 48, no. 2075, pp. 345 an... 17, fig. 11.

Paratypes (2): SU 22988; Station 4410, ... off Long Point, Santa Catalina Island, C... 178-195 fathoms. Collector: "Albatros... 11, 1904.
Holotype: U.S. Nat. Mus. 75813.

XENERETMUS RITTERI Gilbert 1915, Proc. ... Mus., vol. 48, no. 2075, pp. 345 ... pl. 17, fig. 10.

Paratypes (2): SU 22980; Station 4410, ... off Long Point, Santa Catalina Island, ... California; 178-195 fathoms. Collect... tross"; April 11, 1904. *Paratypes* (3): ... Station 4366, 7 miles off Point Loma Li... Point Loma, California; 176-181 fatnoms ... tor: "Albatross"; March 16, 1904.
Holotype: U.S. Nat. Mus. 75814.

XENOCHIRUS ALASCANUS Gilbert 1895, Rept ... Fish and Fish., part 19 for 1893, ...

Syntypes (4): SU 3000; Station 3219 ... Alaska Peninsula (54° 14' North Latitud... West Longitude); 59 fathoms. Collect... tross"; May 22, 1890. *Syntypes* (26) ... Station 3258, Bering Sea (54° 48' Nort... 165° 13' 30" West Longitude); 70 fathom... tor: "Albatross"; June 24, 1890.

XENOCHIRUS PENTACANTHUS Gilbert 1890, ... Nat. Mus., vol. 13, no. 797, p. 91 ...

Syntypes (5): SU 250; Station 3076, ... ton (47° 46' North Latitude, 125° 10' ... tude); 178 fathoms. Collector: "Albat... 29, 1889.

XYSTES AXINOPHRYS Jordan and Starks ... California Acad. Sci., ser. 2, vol ... pl. 92.

Holotype: SU 3130; Point Orchard, P...

. Collector: Edwin C. Starks; July,

Family CYCLOPTERIDAE

...US TERRAE-NOVAE Myers and Böhlke 1950, ...ord Ichthyological Bull., vol. 3, no. 4, ..., fig.

...: SU 9559; Station 2445, off Newfound- ... 9' 30" North Latitude, 49° 48' 30" West ...: 39 fathoms. Collector: "Albatross"; ... 885.

...AWAE Jordan and Snyder 1902, Proc. U.S. ...Aus., vol. 24, no. 1259, p. 344, fig. 1.

...: SU 6971; Kominato, in the province of ... mouth of Tokyo Bay, Japan. Collector: ... *Paratype* (1): SU 6970; data exactly as ...pe.

...S MUTICUS Gilbert 1895, Rept. U.S. Comm. ... and Fish., part 19 for 1893, p. 449, ...51.

...(1): SU 3093; Station 3223, Bering Sea ...k Pass (54° 26' 15" North Latitude, 165° ...ongitude); 56 fathoms. Collector: "Al- ... May 22, 1890.

...US VINOLENTUS Jordan and Starks 1895, ... California Acad. Sci., ser. 2, vol. 5, ...7, pl. 94.

...: SU 3131; deep water in the vicinity of ...nd, Washington. Collector: Edwin C. ...ly, 1895.

Family LIPARIDAE

...ARIS OPERCULARIS Gilbert and Burke 1912, ... U.S. Bureau Fish., vol. 30 for 1910, ...3, fig. 28.

... (1): SU 22364; Station 4797, 11.5 miles ...tschkof Island, east coast of Kamchatka ...30" North Latitude, 158° 50' East Longi- ...2 fathoms. Collector: "Albatross"; June

...: U.S. Nat. Mus. 74390.

...US ACANTHODES Gilbert and Burke 1912, ... U.S. Nat. Mus., vol. 42, no. 1907, p. ... fig. 4, pl. 43, fig. 3.

...s (4): SU 22236; Station 4997, off the ...ern coast of Saghalin Island, Gulf of ...47° 38' 40" North Latitude, 141° 24' 30" ...itude); 318 fathoms. Collector: "Alba- ...eptember 23, 1906.

...: U.S. Nat. Mus. 73332.

CAREPROCTUS BOWERSIANUS Gilbert and Burke 1912, Bull. U.S. Bureau Fish., vol. 30 for 1910, p. 76, fig. 20.

Paratype (1): SU 22456; Station 4771, on "Bower's Bank", Bering Sea (54° 30' North Latitude, 179° 17' East Longitude); 426 fathoms. Collector: "Albatross"; June 4, 1906.
Holotype: U.S. Nat. Mus. 74382.

CAREPROCTUS BURKEI Jordan and Thompson 1914, Mem. Carnegie Mus., vol. 6, no. 4, p. 281, pl. 34, figs. 2 and 2a.

Paratype (1): SU 22604; Yokohama market, doubtless from outside the heads of Awa and Boshu, Japan. Collector: David Starr Jordan; summer or autumn of 1911.
Holotype: Carnegie Mus. 6457—now at the Chicago Nat. Hist. Mus.

CAREPROCTUS CANDIDUS Gilbert and Burke 1912, Bull. U.S. Bureau Fish., vol. 30 for 1910, p. 77, fig. 22.

Paratype (1): SU 22367; Station 4784, 4 miles off East Cape, Attu Island, Bering Sea (52° 55' 40" North Latitude, 173° 26' East Longitude); 135 fathoms. Collector: "Albatross"; June 11, 1906.
Holotype: U.S. Nat. Mus. 74384.

CAREPROCTUS COLLETTI Gilbert 1895, Rept. U.S. Comm. Fish and Fish., part 19 for 1893, p. 442.

Syntype (1): SU 3488; Station 3338, south of the Alaskan Peninsula (54° 19' North Latitude, 159° 40' West Longitude); 625 fathoms. Collector: "Albatross"; August 28, 1890. *Syntypes* (2): SU 3094; data as for the preceding.
Syntypes: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 2, p. 2132, give U.S. Nat. Mus. 48698 for the "type". While this appears to be a lectotype designation, 2 specimens bear the number.

CAREPROCTUS CURILANUS Gilbert and Burke 1912, Proc. U.S. Nat. Mus., vol. 42, no. 1907, p. 373, fig. 15, pl. 47, fig. 1.

Paratype (1): SU 22382; Station 4803, 9 miles off Cape Rollin, Simushir Island, Japan (46° 42' North Latitude, 151° 45' East Longitude); 229 fathoms. Collector: "Albatross"; June 24, 1906.
Holotype: U.S. Nat. Mus. 73341.

CAREPROCTUS FURCELLUS Gilbert and Burke 1912, Bull. U.S. Bureau Fish., vol. 30 for 1910, p. 80, fig. 25.

Paratype (1): SU 22359; Station 4781, between Petrel Bank and Agattu Island, Bering Sea (52° 14' 30" North Latitude, 174° 13' East Longitude); 482 fathoms. Collector: "Albatross"; June 7, 1906.
Holotype: U.S. Nat. Mus. 74387.

CAREPROCTUS ECTENES Gilbert 1895, Rept. U.S. Comm. Fish and Fish., part 19 for 1893, p. 442.

Lecto-paratype (1): SU 3091; Station 3331, north of Unalaska Island (54° 01' 40" North Latitude, 166° 48' 50" West Longitude); 350 fathoms. Collector: "Albatross"; August 21, 1890.
Lecto-holotype: U.S. Nat. Mus. 48618. No type was selected in the original description or in Jordan and Evermann, Bull. U.S. Nat. Mus. No. 47, but the above U.S. Nat. Mus. number is given by Burke 1930, Bull. U.S. Nat. Mus., No. 150, p. 110, for the "type"—this amounting to a lectotype designation.

CAREPROCTUS MELANURUS Gilbert 1892, Proc. U.S. Nat. Mus., vol. 14, no. 880, p. 560.

Lecto-paratypes (4): SU 36 and 21191 (mixed, in one bottle); Stations 2840 and 2892: Station 2840, Santa Barbara Islands, southern California (34° 11' North Latitude, 120° 15' West Longitude); 27.6 fathoms. Collector: "Albatross"; May 9, 1888. Station 2892, off southern California (34° 15' North Latitude, 120° 36' West Longitude); 284 fathoms. Collector: "Albatross"; January 5, 1889. The two small specimens are from Station 2840.
Lecto-holotype: No type was selected in the original description. Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 2, p. 2136 state: "Type in U.S. Nat. Mus." Finally, Burke 1930, Bull. U.S. Nat. Mus. No. 150, p. 125, gives U.S. Nat. Mus. 44285 for the "type".

CAREPROCTUS MOLLIS Gilbert and Burke 1912, Bull. U.S. Bureau Fish., vol. 30 for 1910, p. 77, fig. 21.

Paratype (1): SU 22370; Station 4781, near Agattu Island, Bering Sea (52° 14' 30" North Latitude, 174° 13' East Longitude); 482 fathoms. Collector: "Albatross"; June 7, 1906.
Holotype: U.S. Nat. Mus. 74383.

CAREPROCTUS OSTENTUM Gilbert 1895, Rept. U.S. Comm. Fish and Fish., part 19 for 1893, p. 444.

Lecto-paratype (1): SU 3023; Station 3324, north of Unalaska Island, Bering Sea (53° 33' 50" North Latitude, 167° 46' 50" West Longitude); 109 fathoms. Collector: "Albatross"; August 20, 1890.
Lecto-holotype: While no type was selected in the original description, Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 2, p. 2134, give U.S. Nat. Mus. 48619 for the "type"—this amounting to a lectotype designation.

CAREPROCTUS PELLUCIDUS Gilbert and Burke 1912, Proc. U.S. Nat. Mus., vol. 42, no. 1907, p. 366, fig. 8, pl. 44, fig. 3.

Paratypes (2): SU 22378; Station 5048, 15.4 miles off Kinka San Light, east coast of Hondo Island, Japan (38° 09' 24" North Latitude, 141° 52' 30" East Longitude); 129 fathoms. Collector: "Albatross"; October 10, 1906.
Holotype: U.S. Nat. Mus. 73335.

CAREPROCTUS PHASMA Gilbert 1895, Rept. U.S. Comm. Fish and Fish., part 19 for 1893, p. 442.

Lecto-paratype (1): SU 3028; Station [illegible] ing Sea (56° 18' North Latitude, 164° 3[illegible] Longitude); 49 fathoms. Collector: "A[illegible] June 14, 1890.
Lecto-holotype: U.S. Nat. Mus. 48604. [illegible] type was selected in the original desc[illegible] in Jordan and Evermann, Bull. U.S. Nat. [illegible] 47, Burke 1930, Bull. U.S. Nat. Mus. N[illegible] 123, gives the above U.S. Nat. Mus. numb[illegible] "type"—this amounting to a lectotype de[illegible]

CAREPROCTUS RASTRINUS Gilbert and Bu[illegible] Proc. U.S. Nat. Mus., vol. 42, no [illegible] 362, fig. 3, pl. 43, fig. 2.

Paratypes (2): SU 22371; Station 5021 [illegible] Patience, Saghalin (48° 32' 30" North [illegible] 145° 08' 45" East Longitude); 73 fathoms [illegible] tor: "Albatross"; September 27, 1906.
Holotype: U.S. Nat. Mus. 73331.

CAREPROCTUS RHODOMELAS Gilbert and B[illegible] Proc. U.S. Nat. Mus., vol. 42, no [illegible] 365, fig. 7, pl. 44, fig. 2.

Paratype (1): SU 22380; Station 4980 [illegible] Suruga Bay, Japan (34° 09' North Lati[illegible] 55' East Longitude); 507 fathoms. Coll[illegible] batross"; September 1, 1906.
Holotype: U.S. Nat. Mus. 73334.

CAREPROCTUS ROSEOFUSCUS Gilbert and B[illegible] Proc. U.S. Nat. Mus., vol. 42, no [illegible] 369, fig. 11, pl. 45, fig. 3.

Paratypes (2): SU 22377; Station 50[illegible] southeastern part of Saghalin Island, [illegible] Cape Patience (48° 36' 10" North Lati[illegible] 17' 30" East Longitude); 119 fathoms. [illegible] "Albatross"; September 28, 1906.
Holotype: U.S. Nat. Mus. 73338.

CAREPROCTUS SPECTRUM T. H. Bean 1890, [illegible] Nat. Mus., vol. 13, no. 795, p. 4[illegible]

Syntypes (4): SU 48; Station 2848,-b and Nagai Islands (55° 10' North Lat[illegible] 18' West Longitude); 110 fathoms. Col[illegible] batross"; July 31, 1888.
Syntypes: Burke 1930, Bull. U.S. Na[illegible] 150, p. 123, gives U.S. Nat. Mus. 45 "type". While this appears to be a designation, 2 specimens bear the numb[illegible]

CAREPROCTUS TRACHYSOMA Gilbert and [illegible] Proc. U.S. Nat. Mus., vol. 42, [illegible] 364, fig. 5, pl. 44, fig. 1.

Paratypes (2): SU 22376; Station 49[illegible] off Benkei Mizaki Light, Shiruunku Bay [illegible] of Hokkaido, Japan (43° 01' 35" Nort[illegible] 140° 10' 40" East Longitude); 428 fa[illegible] lector: "Albatross"; September 19, 190[illegible]
Holotype: U.S. Nat. Mus. 73333.

...*EYS CYCLOSPILUS* Gilbert and Burke ...ull. U.S. Bureau Fish., vol. 30 for ... 74, fig. 19.

... (2): SU 22234; Station 4779, Petrel ... Sea, off Semisopochnoi Island (52° ...titude, 179° 57' West Longitude); 54-... Collector: "Albatross"; June 5, 1906. ... U.S. Nat. Mus. 74381.

...*(NEOLIPARIS) BERINGIANUS* Gilbert and ...912, Bull. U.S. Bureau Fish., vol. 30 ...0, p. 72, fig. 17.

... (5): SU 22357; Nikolski, Bering Island. ...Albatross"; summer of 1906. *Paratypes* ...5; Unalaska, shore. Collector: "Alba-...25, 1906. ... U.S. Nat. Mus. 74380.

...*(NEOLIPARIS) MICRASPIDOPHORUS* Gilbert ...rke 1912, Bull. U.S. Bureau Fish., ...30 for 1910, p. 71, fig. 16.

...(1): SU 22244; tide pool at Nikolski, ...nd. Collector: "Albatross"; June 15, ... U.S. Nat. Mus. 74379.

...*(NEOLIPARIS) SIMUSHIRAE* Gilbert and ...1912, Proc. U.S. Nat. Mus., vol. 42, ...07, p. 354, pl. 41, fig. 2.

... (10): SU 22374; Simushir Island, Japan. ..."Albatross"; 1906. ... U.S. Nat. Mus. 73327.

...*TANAKAE* Gilbert and Burke 1912, Proc. ...Nat. Mus., vol. 42, no. 1907, p. 357, ...2, fig. 2.

...: SU 21417; Vries Island, Sagami Sea, ...sented to Stanford University by Shigeho ...the Imperial University of Japan. The ...egister states that the specimen was ...by Alan Owston and presented by Tanaka.

...*R TESSELLATUS* Gilbert and Burke 1912, ... U.S. Nat. Mus., vol. 42, no. 1907, p. ...fig. 2, pl. 41, fig. 3.

... (1): SU 22372; Station 5041, off the ...coast of Hokkaido, west of Erimo Saki, ... 16' 30" North Latitude, 142° 04' East ...; 140-161 fathoms. Collector: "Alba-...tober 3, 1906. ...: U.S. Nat. Mus. 73328.

...*US TREMEBUNDUS* Gilbert and Burke 1912, ... U.S. Bureau Fish., vol. 30 for 1910, ...1, fig. 26.

...s (10): SU 22387, 5 specimens; SU 22388, ...ns—in one bottle; Station 4797, 11.5 ...Staritschkof Island, Avatcha Bay, Kam-...2° 37' 30" North Latitude, 158° 50' East Longitude); 682 fathoms. Collector: "Albatross"; June 20, 1906.
Holotype: U.S. Nat. Mus. 74388.

LIPARIS DENNYI Jordan and Starks 1895, Proc. California Acad. Sci., ser. 2, vol. 5, p. 835, pl. 98.

Holotype: SU 3703; Admiralty Inlet, Puget Sound, Washington. Collectors: Young Naturalist's Society of Seattle, Washington; 1895.

LIPARIS FUCENSIS Gilbert 1895, Rept. U.S. Comm. Fish and Fish., part 19 for 1893, p. 447.

Syntypes (3): SU 4004; Station 3451, Straits of Fuca, off Washington (48° 25' 10" North Latitude, 124° 37' 50" West Longitude); 106 fathoms. Collector: "Albatross"; August 28, 1891.
Syntypes: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 2, p. 2120, give U.S. Nat. Mus. 48600 for the "type". While this appears to be a lectotype designation, 2 specimens bear the number.

LIPARIS HERSCHELINUS Scofield, in: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 2, p. 2123.

Syntypes (19): SU 5601; Herschel Island, Alaska, 80 miles west of the MacKenzie River. Collectors: Norman B. Scofield and Alvin Seale; August 25, 1896.

LIPARISCUS NANUS Gilbert 1915, Proc. U.S. Nat. Mus., vol. 48, no. 2075, p. 358, pl. 19, fig. 15.

Paratype (1): SU 22994; Station 4461, 9.3 miles off Point Pinos Light House, Monterey Bay, California; 285-357 fathoms. Collector: "Albatross"; May 12, 1904. *Paratypes* (3): SU 22993; Station 4468, 10.3 miles off Santa Cruz Light House, Monterey Bay, California; 32-309 fathoms. Collector: "Albatross"; May 13, 1904.
Holotype: U.S. Nat. Mus. 75817.

NECTOLIPARIS PELAGICUS Gilbert and Burke 1912, Bull. U.S. Bureau Fish., vol. 30 for 1910, p. 82, fig. 27.

Paratypes (10): SU 22373; Station 4781, North Pacific (52° 14' 30" North Latitude, 174° 13' East Longitude); 300 fathoms. Collector: "Albatross"; June 7, 1906. *Paratypes* (4): SU 23056; Station 4767, Bowers Bank (54° 12' North Latitude, 179° 07' 30" East Longitude); 771 fathoms. Collector: "Albatross"; June 3, 1906. *Paratype* (1): SU 23030; Station 4765, 43.5 miles off the west point of Yunaska Island (53° 12' North Latitude, 171° 37' West Longitude); 1217 fathoms. Collector: "Albatross"; May 29, 1906. The Stanford register gives Station 4755, 3.4 miles off Old North Sand Headlight (49° 06' 30" North Latitude, 123° 21' 30" West Longitude); 120 fathoms. Collector: "Albatross"; November 5, 1905.
Holotype: U.S. Nat. Mus. 74389.

NEOLIPARIS FISSURATUS Starks 1896, Proc. California Acad. Sci., ser. 2, vol. 6, p. 560.

Holotype: SU 5044; vicinity of Port Ludlow, Washington. Collectors: Edwin C. Starks and the Young Naturalist's Association of Seattle, Washington.

NEOLIPARIS FLORAE Jordan and Starks 1895, Proc. California Acad. Sci., ser. 2, vol. 5, p. 830, pl. 96.

Holotype: SU 3133; Waadda Island, Neah Bay, Washington. Collector: Edwin C. Starks, while a guest of the Young Naturalist's Society of Seattle, Washington; 1895.

NEOLIPARIS GREENI Jordan and Starks 1895, Proc. California Acad. Sci., ser. 2, vol. 5, p. 829, pl. 96.

Holotype: SU 3019; harbor of Victoria, Washington. Collector: Ashdown H. Green.

NEOLIPARIS RUTTERI Gilbert and Snyder, in: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 2, p. 2108.

Syntypes (3): SU 5701; Uyak Bay, Kadiak Island, Alaska. Collector: Cloudsley M. Rutter; 1896.

PARALIPARIS CEPHALUS Gilbert 1892, Proc. U.S. Nat. Mus., vol. 14, no. 880, p. 561.

Syntypes (4): SU 21; Station 2892, off southern California (34° 15' North Latitude, 120° 36' West Longitude); 284 fathoms. Collector: "Albatross"; January 5, 1889. The Stanford register states that the specimen without a tag is from station 2839. Although Burke 1930, Bull. U.S. Nat. Mus. No. 150, p. 177, states "Type.- Apparently lost, U.S.N.M.", there is no reason to believe that any type specimen was ever designated, so all these specimens are considered syntypes.

PARALIPARIS DACTYLOSUS Gilbert 1895, Rept. U.S. Comm. Fish and Fish., part 19 for 1893, p. 469, pl. 34.

Lecto-paratype (1): SU 3024; Station 3112, off Santa Cruz, California (37° 08' North Latitude, 122° 47' West Longitude); 296 fathoms. Collector: "Albatross"; March 12, 1890.
Lecto-holotype: U.S. Nat. Mus. 48616. While no type was selected in the original description, nor in Jordan and Evermann, Bull. U.S. Nat. Mus. No. 47, Burke 1930, Bull. U.S. Nat. Mus. No. 150, p. 164, gives the above U.S. Nat. Mus. number for the "type"—this amounting to a lectotype designation.

PARALIPARIS ENTOCHLORIS Gilbert and Burke 1912, Proc. U.S. Nat. Mus., vol. 42, no. 1907, p. 378, pl. 48, fig. 3.

Paratype (1): SU 22381; Station 5018, 21.3 miles off Cape Tonin, in the southern part of the Okhotsk Sea (46° 41' 30" North Latitude 4 40" East Longitude); 100 fathoms. Colle batross"; September 26, 1906.
Holotype: U.S. Nat. Mus. 73347.

PARALIPARIS HOLOMELAS Gilbert 1895, Comm. Fish and Fish., part 19 fo 441.

Lecto-paratype (1): SU 3026; Station of Unalaska Island, Bering Sea (56° Latitude, 172° 07' West Longitude); 162 Collector: "Albatross"; August 4, 1890.
Lecto-holotype: U.S. Nat. Mus. 48637. type was selected in the original des Jordan and Evermann 1898, Bull. U.S. No. 47, part 2, p. 2141, give the above Mus. number for the "type"—this amou lectotype designation.

PARALIPARIS ULOCHIR Gilbert 1895, Rept. Fish and Fish., part 19 for 1893,

Syntypes (2): SU 2481; Station 3010 California (27° 23' 45" North Latitude West Longitude); 1005 fathoms. Collect tross"; March 20, 1889. Although Burke U.S. Nat. Mus. No. 150, p. 171, state Lost, U.S. National Museum Collection", pears to be no reason to suspect that a imen was ever designated and all spe considered syntypes.

RHINOLIPARIS BARBULIFER Gilbert 1895, Comm. Fish and Fish., part 19 fo 445.

Lecto-paratypes (2): SU 3080; Stat north of Unalaska Island, Bering Sea (North Latitude, 166° 54' West Longitude oms. Collector: "Albatross"; May 23, 18 *paratypes* (3): SU 3092; Station 3331 Unalaska Island, Bering Sea (54° 01' Latitude, 166° 48' 50" West Longitude) oms. Collector: "Albatross"; August *Lecto-paratypes* (3): SU 3022; Station of Unalaska Island, Bering Sea (53° 56 Latitude, 167° 08' 15" West Longitude) oms. Collector: "Albatross"; August 2
Lecto-holotype: U.S. Nat. Mus. 48536. type was selected in the original desc in Jordan and Evermann, Bull. U.S. Nat 47, Burke 1930, Bull. U.S. Nat. Mus. 185, gives the above U.S. Nat. Mus. "type"—this amounting to a lectotype d

TRISMEGISTUS OWSTONI Jordan and Snyder sonian Misc. Colls. (Quarterly I 45, no. 1447, p. 238, text-fig.

Holotype: SU 8385; Enoshima, Sagami Collector: Alan Owston.

Family CHANNIDAE (OPHICEPHALI

CHANNA FORMOSANA Jordan and Evermann

. .t. Mus., vol. 25, no. 1289, p. 331,

SU 7132; Sowo or Suwata, Formosa. lected by Tsunasuke Tada.

Order HETEROSOMATA

Family BOTHIDAE

S DEBILIS Gilbert 1905, Bull. U.S. Fish . vol. 23 for 1903, part 2, p. 683, pl.

(5): SU 8621; Hawaiian Islands. Col- batross"; March-August, 1902. . U.S. Nat. Mus. 51657.

JAPONICUS Hubbs 1915, Proc. U.S. Nat. . vol. 48, no. 2082, pl. 25, fig. 2, p.

(1): SU 22528; Station 5074, 6.4 miles aki Light, Suruga Gulf, Japan (34° 40' atitude, 138° 18' 30" East Longitude); . Collector: "Albatross"; October 16,

: U.S. Nat Mus. 75671.

RNA Jordan and Bollman 1890, Proc. U.S. Mus., vol. 12, no. 770, p. 174.

(1): SU 478; Station 2802, off the coast ia (8° 38' North Latitude, 79° 31' 30" itude); 16 fathoms. Collector: "Alba- arch 30, 1888. : U.S. Nat. Mus. 41159.

THYS ARENACEUS Evermann and Marsh 1902, .. U.S. Fish Comm., vol. 20 for 1900, p. fig. 106.

e (1): SU 8556; Mayagüez, Porto Rico. : "Fish Hawk"; winter of 1898-1899. : U.S. Nat. Mus. 49526.

THYS FRAGILIS Gilbert 1890, Proc. U.S. Mus., vol. 13, no. 797, p. 120.

aratypes (3): SU 167; Station 3016, Gulf rnia (29° 40' North Latitude, 112° 57' itude); 76 fathoms. Collector: "Alba- March 24, 1889. *Lecto-paratypes* (7): SU ion 3033, Gulf of California (30° 50' 45" titude, 114° 29' 45" West Longitude); 18 Collector: "Albatross"; March 27, 1889. *Holotype*: U.S. Nat. Mus. 44409. While no selected in the original description, d Evermann 1898, Bull. U.S. Nat. Mus. No. 3, p. 2680, give the above U.S. Nat. Mus. or the "type"—this amounting to a lecto- ignation.

THYS XANTHOSTIGMA Gilbert 1890, Proc. U.S. Nat. Mus., vol. 13, no. 797, p. 120.

Lecto-paratypes (5): SU 18; Station 3039, Magdalena Bay, Baja California, México (24° 27' North Latitude, 111° 59' West Longitude); 47 fathoms. Collector: "Albatross"; April 8, 1889.
Lecto-holotype: U.S. Nat. Mus. 44408. While no type was selected in the original description, Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 3, p. 2681, give the above U.S. Nat. Mus. number for the "type"—this amounting to a lecto-type designation.

CITHAROIDES MACROLEPIDOTUS Hubbs 1915, Proc. U.S. Nat. Mus., vol. 48, no. 2082, pl. 25, fig. 1, p. 453.

Paratype (1): SU 22527; Station 4874, in the eastern channel of the Korean Strait, vicinity of Oki Shima (34° 38' North Latitude, 130° 03' East Longitude); 66 fathoms. Collector: "Albatross"; August 2, 1906.
Holotype: U.S. Nat. Mus. 75670.

ENGYOPHRYS SANCTI-LAURENTII Jordan and Bollman 1890, Proc. U.S. Nat. Mus., vol. 12, no. 770, p. 176.

Paratypes (20): SU 271; Station 2805, off the coast of Colombia (7° 56' North Latitude, 79° 41' 30" West Longitude); 51.5 fathoms. Collector: "Albatross"; March 30, 1888.
Holotype: U.S. Nat. Mus. 41155.

ENGYPROSOPON ARENICOLA Jordan and Evermann 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 207.

Paratype (1): SU 7471; Hilo, Hawaiian Islands. Collectors: David Starr Jordan and Barton W. Evermann; 1901.
Holotype: U.S. Nat. Mus. 50658.

ENGYPROSOPON IIJIMAE Jordan and Starks 1904, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 626, pl. 8, fig. 1.

Paratype (1): SU 8387 (the label on the bottle gives 8561—either or both numbers are available from the data): Station 3714, Suruga Bay, Honshu Island, Japan (Ose Zaki, S. 82°, W. 3.3 m.); 48-60 fathoms. Collector: "Albatross"; May 11, 1900.
Holotype: U.S. Nat. Mus. 51461.

ENGYPROSOPON XENANDRUS Gilbert 1905, Bull. U.S. Fish Comm., vol. 23 for 1903, part 2, p. 687, fig. 270.

Paratypes (17): SU 8622; Hawaiian Islands. Collector: "Albatross"; March-August, 1902.
Holotype: U.S. Nat. Mus. 51651.

HIPPOGLOSSINA BOLLMANI Gilbert 1890, Proc. U.S. Nat. Mus., vol. 13, no. 797, p. 122.

Lecto-paratypes (2): SU 361; Station 2805, off

Panamá (7° 56' North Latitude, 79° 41' 30" West Longitude); 51.5 fathoms. Collector: "Albatross"; March 30, 1888.
Lecto-holotype: U.S. Nat. Mus. 41143. While no type was selected in the original description, Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 3, p. 2622, give the above U.S. Nat. Mus. number for the "type"—this amounting to a lectotype designation.

LAEOPTICHTHYS FRAGILIS Hubbs 1915, Proc. U.S. Nat. Mus., vol. 48, no. 2082, p. 460, pl. 26, fig. 4.

Paratype (1): SU 22531; Station 5072, 11.7 miles off Omai Saki Light, Suruga Gulf, Japan (34° 44' 55" North Latitude, 138° 22' 20" East Longitude); 148-284 fathoms. Collector: "Albatross"; October 16, 1906.
Holotype: U.S. Nat. Mus. 75673.

PARALICHTHYS AESTUARIUS Gilbert and Scofield 1898, Proc. U.S. Nat. Mus., vol. 20, no. 1131, p. 499, pl. 39.

Paratypes (4): SU 195; Station 3027, Shoal Point, Colorado River, Gulf of California. Collector: "Albatross"; March 26, 1889.
Holotype: U.S. Nat. Mus. 48128.

PARALICHTHYS ISOCELES Jordan 1891, Proc. U.S. Nat. Mus., vol. 13, no. 829, p. 330.

Syntypes (2): SU 2789; harbor of Bahia, Brazil. Collector: "Albatross"; winter and spring of 1887 and 1888.

PARALICHTHYS MAGDALENAE Abbott, in: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 3, p. 2871.

Holotype: SU 10197 (mistakenly 10196 in the description); Magdalena Bay, Baja California, México. Collector: "Albatross" (the description gives Charles H. Gilbert).

PARALICHTHYS SINALOAE Jordan and Abbott, in: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 3, p. 2872.

Holotype: SU 2930; Mazatlán, Sinaloa, México. Collector: David Starr Jordan.

PELECANICHTHYS CRUMENALIS Gilbert and Cramer 1897, Proc. U.S. Nat. Mus., vol. 19, no. 1114, p. 433, pl. 47.

Paratype (1): SU 4933; Station 3476, vicinity of the Hawaiian Islands (21° 19' North Latitude, 157° 53' West Longitude); 298 fathoms. Collector: "Albatross"; December 6, 1891.
Holotype: U.S. Nat. Mus. 48738.

PLATOPHRYS COARCTATUS Gilbert 1905, Bull. U.S. Fish Comm., vol. 23 for 1903, part 2, p. 686, fig. 269.

Paratypes (3): SU 8616; Stations 49[illegible] 776), vicinity of Laysan Island (Lay[illegible] Light, S. 87°, E. 8.2'); 173-220 fathoms. by the "Albatross"; May 22, 1902; and [illegible] 1001 and 1006), Pailolo Channel betwe[illegible] and Maui Islands, and NE approach, Ha[illegible] lands (Mokuhooniki Islet, N. 18°, E. 5. 140 fathoms; collected by the "Albatros 9, 1902.
Holotype: U.S. Nat. Mus. 51602.

PLATOPHRYS INERMIS Gilbert 1905, Bull. Comm., vol. 23 for 1903, part 2, p. 268.

Paratypes (4): SU 8633; Hawaiian Isla[illegible] lector: "Albatross"; March-August, 1902.
Holotype: U.S. Nat. Mus. 51648.

PLATOPHRYS TAENIOPTERUS Gilbert 1890, P[illegible] Nat. Mus., vol. 13, no. 797, p. 11

Syntypes (6): SU 228; Station 2998, Gu[illegible] ifornia (24° 51' North Latitude, 110° Longitude); 40 fathoms. Collector: "Al March 16, 1889.
Syntypes: Jordan and Evermann 1898, B[illegible] Nat. Mus. No. 47, part 3, p. 2668, give Mus. 43095 for the "type". While this [illegible] be a lectotype designation, 2 specimens number.

PSEUDORHOMBUS MISAKIUS Jordan and Sta[illegible] Proc. U.S. Nat. Mus., vol. 31, no. 175, figs. 4 and 5.

Paratype (1): SU 9941; Misaki, Japan. tors: David Starr Jordan and John O. Snyd of 1900. This specimen was "drawn"— *Paratypes* (2): SU 9953; Kobe, Settsu, Ja lectors and date as for the preceding. (1): SU 9823; data as for the precedi specimen was "drawn"—figure 5.
Holotype: U.S. Nat. Mus. 55643.

SCAEOPS KOBENSIS Jordan and Starks 19 U.S. Nat. Mus., vol. 31, no. 1484 fig. 2.

Holotype: SU 9822; Kobe, Japan. Co David Starr Jordan and John O. Snyder; 1900.

TAENIOPSETTA RADULA Gilbert 1905, Bull. Comm., vol. 23 for 1903, part 2, p. 266.

Paratypes (6): SU 8615; Hawaiian Isla lector: "Albatross"; March-August, 1902
Holotype: U.S. Nat. Mus. 51639.

Family PLEURONECTIDAE

ALAEOPS PLINTHUS Jordan and Starks 19

:h Comm., vol. 22 for 1902, p. 623, 'ig. 2.

6): SU 8389; Station 3715, near Tokyo, Honshu Island, Japan (Ose Zaki, S. .); 65-68 fathoms. Collector: "Alba- 1, 1900.
.S. Nat. Mus. 51406.

'US Jordan and Starks 1904, Bull. U.S. m., vol. 22 for 1902, p. 624, pl. 6,

1): SU 8386; Station 3773, Matsushima land, Japan (Kinkwasan Light, N. 49°, 78 fathoms. Collector: "Albatross";
U.S. Nat. Mus. 51417.

PINETORUM Jordan and Starks 1904, S. Fish Comm., vol. 22 for 1902, p.

(17): SU 8391; Station 3770, off Kink- , Matsushima Bay, Japan (Nagane Saki, .4.7 m.); 42-45 fathoms. Collector: ; June 5, 1900.
U.S. Nat. Mus. 51403.

SIS BATHYBIUS Gilbert 1890, Proc. U.S. s., vol. 13, no. 797, p. 123.

ntype (1): SU 193; Station 2980, Santa nnel, southern California (33° 49' 45" de, 119° 24' 30" West Longitude); 603 Collector: "Albatross"; February 12,

otype: in the U.S. Nat. Mus.; while no lected in the original description, Jor- rmann 1898, Bull. U.S. Nat. Mus. No. p. 2656, state: "Type in U.S.N.M." but ber.

KUZENIUS Jordan and Starks 1904, Bull. Fish Comm., vol. 22 for 1902, p. 624, fig. 1.

(2): SU 8388; Station 3717, off Ose ga Bay, Honshu Island, Japan (Ose Zaki, 0.8 m.); 63-100 fathoms. Collector: "; May 11, 1900.
U.S. Nat. Mus. 51423.

ILUS SASAE Snyder 1911, Proc. U.S. Nat. vol. 40, no. 1836, p. 548.

(1): SU 21431; Mororan, Hokkaido, Japan. : John O. Snyder and Michitaro Sindo; *atype* (1): SU 23243; Mororan, Hokkaido, llectors: John O. Snyder and Nozawa;
U.S. Nat. Mus. 68246.

OIDES HAMILTONI Jordan and Gilbert, in: an and Evermann 1898, Bull. U.S. Nat. No. 47, part 3, p. 2616.

Holotype: SU 5769; Station 3641, off Dalnoi Point, Kamchatka (52° 58' North Latitude, 158° 36' East Longitude); 16 fathoms. Collector: "Albatross"; August 19, 1896.

HIPPOGLOSSOIDES PROPINQUUS Hubbs 1915, Proc. U.S. Nat. Mus., vol. 48, no. 2082, p. 469, pl. 26, fig. 5.

Paratypes (6): SU 22529; Aniwa Bay, Sakhalin Island; 40-43 fathoms. Collector: "Albatross". 1906. *Paratypes* (4): SU 23886; Japan. Collector: "Albatross"; 1906. The large specimen is from Station 5013 because it has a number 4166 attached, and there is a note in the bottle stating: "Albatross station marked on all tags excepting 4166, from Sta. 5013". However, the three smaller specimens are not marked. These may be from some other station, but are definitely from Japan. Station 5013: 46° 17' North Latitude, 143° 09' East Longitude; 43 fathoms; September 25, 1906.
Holotype: U.S. Nat. Mus. 75667.

LEPIDOPSETTA MOCHIGAREI Snyder 1911, Proc. U.S. Nat. Mus., vol. 40, no. 1836, p. 547.

Paratype (1): SU 21430; market at Otaru, Hokkaido, Japan. Collector: "Albatross"; 1906.
Holotype: U.S. Nat. Mus. 68245.

LIMANDA ANGUSTIROSTRIS Kitahara, in: Jordan and Starks 1906, Proc. U.S. Nat. Mus., vol. 31, no. 1484, p. 208, fig. 15.

Paratypes (3): SU 9888; Aomori, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratype* (1): SU 9825; data as for the preceding. This specimen was "drawn"—figure 15.
Holotype: U.S. Nat. Mus. 55645.

LIMANDA IRIDORUM Jordan and Starks 1906, Proc. U.S. Nat. Mus., vol. 31, no. 1484, p. 206, fig. 14.

Paratype (1): SU 9887 (mistakenly 9824 in the original description); Mororan, Japan (the Stanford register gives Aomori). Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratype* (1): SU 9824; data exactly as for the preceding. This specimen bears a "drawn" label. *Paratypes* (2): SU 9943; Aomori, Japan. Collectors and date as for the preceding.
Holotype: U.S. Nat. Mus. 55644; formerly catalogued as SU 9824.

LIMANDA KORIGAREI Hubbs 1915, Proc. U.S. Nat. Mus., vol. 48, no. 2082, p. 483, pl. 27, fig. 8.

Paratype (1): SU 22532; Station 5007, Aniwa Bay, Sakhalin Island (46° 03' North Latitude, 142° 31' East Longitude); 42 fathoms. Collector: "Albatross"; September 24, 1906. This specimen bears a "drawn" label. *Paratype* (1): SU 23841; Station 5012, Aniwa Bay, Sakhalin Island (46° 17' 50" North Latitude, 143° 08' 30" East Longitude);

42-43 fathoms. Collector: "Albatross"; September 25, 1906. *Paratype* (1): SU 23842; Station 5011, Aniwa Bay, Sakhalin Island (46° 18' 30" North Latitude, 143° 05' 40" East Longitude); 42 fathoms. Collector: "Albatross"; September 25, 1906.
Holotype: U.S. Nat. Mus. 75669.

LIMANDA PROBOSCIDEA Gilbert 1895, Rept. U.S. Comm. Fish and Fish., part 19 for 1893, p. 460, pl. 33.

Syntypes (2): SU 3089; Station 3240, Bristol Bay, Bering Sea (58° 30' North Latitude, 159° 35' 50" West Longitude); 14.5 fathoms. Collector: "Albatross"; June 8, 1890. *Syntype* (1): SU 3087; Station 3248, Bristol Bay, Bering Sea (58° 34' 15" North Latitude, 162° 22' West Longitude); 21 fathoms. Collector: "Albatross"; June 13, 1890.

LIMANDA SAKHALINENSIS Hubbs 1915, Proc. U.S. Nat. Mus., vol. 48, no. 2082, p. 480, pl. 26, fig. 6.

Paratype (1): SU 22530; Station 5025, off the coast of Sakhalin Island, vicinity of Cape Patience, Okhotsk Sea (48° 43' 30" North Latitude, 144° 56' 45" East Longitude); 52 fathoms. Collector: "Albatross"; September 27, 1906.
Holotype: U.S. Nat. Mus. 75674.

MICROSTOMUS KITAHARAE Jordan and Starks 1904, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 625, pl. 7, fig. 2.

Paratypes (10): SU 8395; market at Tokyo, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (7): SU 8396; Station 3699, Suruga Bay, Honshu Island, Japan (entrance to Port Arari, S. 74°, E. 5.6 m.); 400-726 fathoms. Collector: "Albatross"; May 6, 1900.
Holotype: U.S. Nat. Mus. 51418.

PLEURONICHTHYS NEPHELUS Starks and Thompson 1910, Proc. U.S. Nat. Mus., vol. 38, no. 1744, p. 282, fig. 1.

Paratypes (7): SU 21414; San Juan Islands, near the northern end of Puget Sound, Washington. Collector: Edwin C. Starks.
Holotype: in the U.S. Nat. Mus.

PLEURONICHTHYS OCELLATUS Starks and Thompson 1910, Proc. U.S. Nat. Mus., vol. 38, no. 1744, p. 285, fig. 2.

Paratypes (6): SU 198; Station 3027, Gulf of California (31° 31' 45" North Latitude, 114° 19' West Longitude); 10 fathoms. Collector: "Albatross"; March 26, 1889. *Paratypes* (2): SU 5569; Station 3024, Gulf of California (31° 21' North Latitude, 113° 49' West Longitude); 11 fathoms. Collector: "Albatross"; March 25, 1889.
Holotype: in the U.S. Nat. Mus.

PLEURONICHTHYS RITTERI Starks and Morris 1907, Univ. California Publ., zool., vol. 3, no. 11, p. 243, pl. 21.

Holotype: SU 9786; San Diego Bay, S California. Collector: Edwin C. Starks 20, 1902-March 15, 1903. *Paratypes* (5 San Diego, California. Collectors: Edw and Earl L. Morris; sometime between 1906.

POECILOPSETTA HAWAIIENSIS Gilbert 1905, Fish Comm., vol. 23 for 1903, part pl. 95.

Paratypes (4): SU 8639; Hawaiian Isla lector: "Albatross"; March-August, 1902
Holotype: U.S. Nat. Mus. 51638.

SAMARISCUS CORALLINUS Gilbert 1905, Fish Comm., vol. 23 for 1903, part pl. 96.

Paratype (1): SU 8648; Station 384 south coast of Molokai Island, Hawaii (Lae-o Ka Laau Light, N. 71°, W. 21. fathoms. Collector: "Albatross"; April
Holotype: U.S. Nat. Mus. 51596.

VERASPER MOSERI Jordan and Gilbert, in: Evermann 1898, Bull. U.S. Nat. Mu part 3, p. 2619.

Paratypes (6): SU 9415; harbor of Japan. Collector: "Albatross".
Holotype: U.S. Nat. Mus. 48797.

Family SOLEIDAE

ACHIRUS BARNHARTI Jordan 1923, Univ. Publ., zool., vol. 26, no. 1, p. 1

Holotype: SU 23240; off Coronado Isla ern California; 400 feet. Collector Barnhart.

ACHIRUS (BAEOSTOMA) CONIFER Jordan a 1884, Proc. U.S. Nat. Mus., vol. p. 31.

Paratype (1): SU 2403; sandy bottom waters at Key West, Florida. Collec Starr Jordan; December, 1883.
Holotype: U.S. Nat. Mus. 54973.

Family CYNOGLOSSIDAE

ARELISCUS RHOMALEUS Jordan and Starks U.S. Nat. Mus., vol. 31, no. 14 fig. 5.

Paratypes (5): SU 9883; Port Arthur, Collector: James F. Abbott.
Holotype: U.S. Nat. Mus. 55635.

RAMENTATUS Jordan and Bollman 1890, ..S. Nat. Mus., vol. 12, no. 770, p.

(7): SU 3; off the coast of Panamá owing stations: Station 2797 (8° 06' titude, 78° 51' West Longitude); 33 llector: "Albatross"; March 5, 1888. (7° 57' North Latitude, 78° 55' West .33 fathoms. Collector: "Albatross"; . Mixed, in one bottle. .S. Nat. Mus. 41157.

ERGI Thompson 1916, Proc. U.S. Nat. ol. 50, no. 2133, p. 414, pl. 2, fig. 2.

(13): SU 22725; Montevideo, Uruguay. Albatross"; 1887-1888. U.S. Nat. Mus. 76852.

ASCIOLARIS Gilbert 1892, Proc. U.S. s., vol. 14, no. 880, p. 566.

5): SU 15; Gulf of California from the stations: Station 3022 (30° 58' 30" ude, 113° 17' 15" West Longitude); 11 llector: "Albatross"; March 24, 1889. (31° 31' 45" North Latitude, 114° 19' ude); 10 fathoms. Collector: "Alba- h 26, 1889. Mixed, in one bottle.

EI Jordan and Bollman 1890, Proc. U.S. s., vol. 12, no. 770, p. 178.

(21): SU 39; Station 2804, off Panamá North Latitude, 79° 37' 45" West Long- fathoms. Collector: "Albatross"; March

U.S. Nat. Mus. 41134.

STRICTUS Gilbert 1905, Bull. U.S. Fish . vol. 23 for 1903, part 2, p. 691, fig.

(2): SU 8614; Station 4021, off the of Kauai Island, Hawaiian Islands (Han- enouse, S. 28° 30', W. 9.5'); 286-399 collector: "Albatross"; June 21, 1902. U.S. Nat. Mus. 51624.

UNDATUS Gilbert 1905, Bull. U.S. Fish , vol. 23 for 1903, part 2, p. 690, pl.

(1): SU 8630; Station 4120, off the coast of Oahu Island, Hawaiian Islands oint, N. 72° 30', E. 10.0'); 167-216 Collector: "Albatross"; July 25, 1902. U.S. Nat. Mus. 51619.

WILLIAMSI Jordan and Culver, in: Jordan , Proc. California Acad. Sci., ser. 2, 5, p. 506, pl. 55.

: SU 2943; tide pools with sandy bottoms, allow water, near the estuary at Mazatlán, Sinaloa, México. Collector: Thomas Marion Williams; December 24, 1894-January 25, 1895.

Order OPISTHOMI

Family MASTACEMBELIDAE

MASTACEMBELUS KEITHI Herre 1940, Bull. Raffles Mus., no. 16, p. 24, pl. 19.

Holotype: SU 33016; brook flowing into the Segaliud River, British North Borneo. Collector: Albert W. C. T. Herre; February 4, 1937. *Paratypes* (8): SU 33017; Kabili River, British North Borneo. Collector: as for holotype; January 29, 1937. Since Dr. Herre mentioned only 7 specimens from the Kabili in his description, one of these may be the paratype from the type locality.

MASTACEMBELUS PERAKENSIS Herre and Myers 1937, Bull. Raffles Mus., no. 13, part 2, p. 74, pl. 7.

Holotype: SU 30972; Bukit Merah Reservoir, Krian District, Perak. Collector: Albert W. C. T. Herre; March, 1934.

Family CHAUDHURIIDAE

CHAUDHURIA CAUDATA Annandale 1918, Records Indian Mus., vol. 14, p. 41, pl. 1, fig. 1; pl. 4, figs. 1-10.

Paratypes (2): SU 33881; Inlé Lake, Southern Shan States, Burma; elevation 3,000 ft. Collectors: N. Annandale and F. H. Gravely; February, 1917.
Holotype: Zool. Survey of India (Indian Museum) F 9402/1.

Order PLECTOGNATHI

Family TRIACANTHODIDAE

MACRORHAMPHOSODES PLATYCHEILUS Fowler 1934, Proc. Acad. Nat. Sci. Philadelphia, vol. 85, p. 365, fig. 115.

Paratypes (3): SU 40195; Station 5516, 9.7 miles off Point Tagolo Light, Mindanao, Philippine Islands (8° 46' North Latitude, 123° 32' 30" East Longitude); 175 fathoms. Collector: "Albatross"; August 9, 1909.
Holotype: U.S. Nat. Mus. 93170.

Family BALISTIDAE

BALISTES NAUFRAGIUM Jordan and Starks, in: Jordan 1895, Proc. California Acad. Sci., ser. 2, vol. 5, p. 488.

Holotype: SU 11656; about the wreck of a French man-of-war in the astillero at Mazatlán, Sinaloa, México. Collectors: David Starr Jordan and party on the Hopkins Expedition; December 24, 1894-January 25, 1895.

BALISTES VERRES Gilbert and Starks 1904, Mem. California Acad. Sci., vol. 4, p. 153, pl. 26, fig. 49.

Holotype: SU 6805; Panamá. Collectors: Charles H. Gilbert et al; January 10-February 24, 1896.

BRACHALUTERES ULVARUM Jordan and Snyder, in: Jordan and Fowler 1902, Proc. U.S. Nat. Mus., vol. 25, no. 1287, p. 271, fig. 5.

Syntypes (2): SU 7128; Misaki, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900.

CANTHERINES CAROLAE Jordan and McGregor, in: Jordan and Evermann 1898, Bull. U.S. Nat. Mus. No. 47, part 2, p. 1713.

Holotype: SU 11995; Socorro Island (Clarión, in the description), México. Collector: Richard C. McGregor on the schooner "H. C. Wahlberg"; May, 1897.

CANTHERINES VERECUNDUS E. K. Jordan 1915, Proc. U.S. Nat. Mus., vol. 66, no. 2570, art. 33, p. 40, pl. 2, fig. 3.

Paratypes (5): SU 23373; Honolulu, Hawaiian Islands. Collector: Eric K. Jordan; August, 1924.
Holotype: U.S. Nat. Mus. 87420.

RUDARIUS ERCODES Jordan and Fowler 1902, Proc. U.S. Nat. Mus., vol. 25, no. 1287, p. 270, fig. 4.

Holotype: SU 7127; Misaki, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratypes* (54): SU 7206; Nagasaki, Japan. Collectors and date as for holotype.

Family OSTRACIIDAE

ARACANA SPILONOTA Gilbert 1905, Bull. U.S. Fish Comm., vol. 23 for 1903, part 2, sect. 2, p. 626, fig. 242.

Paratype (1): SU 8575; Station 3965, vicinity of Laysan Island, Hawaiian Islands (Laysan Island Light, S. 83°, E. 8.1'); 116-147 fathoms. Collector: "Albatross"; May 23, 1902.
Holotype: U.S. Nat. Mus. 51630.

LACTOPHRYS TRITOPIS Snyder 1911, Proc. U.S. Nat. Mus., vol. 40, no. 1836, p. 535.

Paratypes (2): SU 21424; Misaki, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900.
Holotype: U.S. Nat. Mus. 68235.

LACTORIA SCHLEMMERI Jordan and Snyder U.S. Nat. Mus., vol. 27, no. 1377,

Holotype: SU 8440; Laysan Island, H lands. Collector: Max Schlemmer; sent about 1903.

OSTRACION CAMURUM Jenkins 1901, Bull. Comm., vol. 19 for 1899, p. 396, f

Paratypes (2): SU 23301; Honolulu, H lands. Collector: Oliver P. Jenkins; 1
Holotype: U.S. Nat. Mus. 49697.

OSTRACION CLIPPERTONENSE Snodgrass and H Proc. Washington Acad. Sci., vol.

Holotype: SU 6426; Clipperton Islan Ocean. Collectors: Robert E. Snodgrass Heller; 1898-1899.

OSTRACION OAHUENSIS Jordan and Ever Bull. U.S. Fish Comm., vol. 22 f 200.

Paratype (1): SU 7478; Honolulu, H lands. Collector: Dr. Thomas D. Wood;
Holotype: U.S. Nat. Mus. 50668.

Family TETRAODONTIDAE

CANTHIGASTER CONSTELLATUS Kendall and 1911, Mem. Mus. Comp. Zool., Harv no. 7, p. 336, pl. 7, fig. 2.

Paratypes (2): SU 7164; Takarava, lands. Collector: "Albatross"; Au March, 1900.
Holotype: U.S. Nat. Mus. 65767.

LAGOCEPHALUS OCEANICUS Jordan and Eve Bull. U.S. Fish Comm., vol. 22 199.

Paratype (1): SU 7784; Honolulu, H lands. Collectors: David Starr Jorda W. Evermann; 1901.
Holotype: U.S. Nat. Mus. 50820.

SPHEROIDES ABBOTTI Jordan and Snyder U.S. Nat. Mus., vol. 24, no. 1 fig. 3.

Holotype: SU 6523; Tokyo Bay, Jap tors: David Starr Jordan and John O. S of 1900.

SPHEROIDES BOREALIS Jordan and Snyder

at. Mus., vol. 24, no. 1254, p. 245,

SU 6525; Mororan, Hokkaido, Japan. David Starr Jordan and John O. Snyder; 900. *Paratypes* (2): SU 6746; data or holotype. *Paratypes* (16): SU 6760; aido, Japan. Collectors and date as *types* (28): SU 6761; Aomori, Rikuoku, lectors and date as above.

XASCURUS Jordan and Snyder 1901, Proc. at. Mus., vol. 24, no. 1254, p. 241,

SU 6524; Misaki, Sagami, Japan. Col- avid Starr Jordan and John O. Snyder; f 900.

GREELEYI Gilbert 1900, Proc. Washington Sci., vol. 2, p. 176, pl. 9, fig. 4.

SU 6308; coral reef near Maceió, Bra- llector: Arthur W. Greeley; summer of *ntype* (1): SU 6308; data exactly as for

NIPHOBLES Jordan and Snyder 1901, Proc. Nat. Mus., vol. 24, no. 1254, p. 246, 5.

ype: SU 6526; Tokyo, Japan. Collectors: r Jordan and John O. Snyder; summer of *types* (5): SU 6645; data exactly as for *Paratypes* (3): SU 6759; Nagasaki, Hizen, Collectors and date as above. *Paratype* 64; Wakanoura, Kii, Japan. Collectors as above.

HYS JACTATOR Jenkins 1901, Bull. U.S. Comm., vol. 19 for 1899, p. 399, fig. 11.

(1): SU 23302; Honolulu, Hawaiian Is- Collector: Oliver P. Jenkins; 1889. U.S. Nat. Mus. 49703.

Family DIODONTIDAE

RUS ANTILLARUM Jordan and Rutter 1897, Acad. Nat. Sci. Philadelphia, p. 131.

ype: SU 5056; region of Kingston, Jamaica. o Joseph S. Roberts; about 1896. *Para-* 2 SU 8283; data exactly as for holotype.

A GLOBOSA Evermann and Kendall 1898, U.S. Fish Comm., vol. 17 for 1897, p. pl. 9, figs. 11 and 12.

e (1): SU 6311; Rappahannock River near of Windmill Creek, Virginia. Collector: . Kendall; July 18, 1892. e: U.S. Nat. Mus. 48794.

Order XENOPTERYGII

Family GOBIESOCIDAE

ARBACIOSA TRUNCATA Heller and Snodgrass 1903, Proc. Washington Acad. Sci., vol. 5, p. 216, pl. 14.

Holotype: SU 6341; Albemarle Island, Galápagos Archipelago. Collectors: Robert E. Snodgrass and Edmund Heller; 1898-1899. *Paratypes* (25): SU 21193; Tagus Cove, Albemarle Island, Galápagos Archipelago. Collectors as for holotype; February 8, 1899. *Paratypes* (3): SU 16456; data as for those just preceding. These specimens were removed by Dr. John C. Briggs in 1950 as being atypical specimens, different from the above, from which bottle they were taken. **Paratype* (1): SU 7058; Galápagos Archipelago. Collectors and date as for holotype.

ARCOS SUPEROCULUS Briggs, 1951, Proc. California Zool. Club, vol. 1, no. 11, p. 96, figs. 21, 22 and 23.

Holotype: SU 16394; poisoned from a tide pool on Cleopha Island, one of the Tres Marías Group, México. Collector: Vernon E. Brock; February 23, 1940. *Paratypes* (3): SU 16395; data exactly as for holotype. *Paratype* (1): SU 16396; locality as for holotype; February 26, 1940.

ASPASMA CICONIAE Jordan and Fowler 1903, Proc. U.S. Nat. Mus., vol. 25, no. 1291, p. 415, fig.

Holotype: SU 7136; Wakanoura, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900.

CORONICHTHYS ORNATA Herre 1942, Stanford Ichthyological Bull., vol. 2, no. 4, p. 122, fig. 1.

Holotype: SU 36533; crevices of the little dock of coral heads at Coron, Busuanga, Philippine Islands. Collector: Albert W. C. T. Herre; June 29, 1940.

COTYLIS AETHUS Briggs 1951, Proc. California Zool. Club, vol. 1, no. 11, p. 91, figs. 17 and 18.

Holotype: SU 5898; Clarión Island, westernmost island of the Revillagigedo Group. Collector: Richard C. McGregor.

COTYLIS BRACHYSOMA Briggs 1951, Proc. California Zool. Club, vol. 1, no. 11, p. 83, figs. 11 and 12.

Paratype (1): SU 16415; Braxatillo Bay, Costa Rica. Collectors: Templeton Crocker Expedition; July 2, 1932.
Holotype: California Acad. Sci. 20440.

COTYLIS CANIDENS Briggs 1951, Proc. California Zool. Club., vol. 1, no. 11, p. 88, figs. 15 and 16.

Paratype (1): SU 16416; tide pool on Socorro Island, the easternmost of the Revillagigedo Group. Collectors: California Academy of Sciences Expedition; 1925.
Holotype: California Acad. Sci. 20442.

COTYLIS CRASSICORPUS Briggs 1951, Proc. California Zool. Club, vol. 1, no. 11, p. 81, figs. 9, 10 and 19.

Holotype: SU 39309; somewhere between the Gulf of Nicoya and 30 miles south of Cape Corrientes, Jalisco, México. Collected from the bait tank of the vessel "N. B. Scofield" by an unidentified collector; April 1, 1939.

COTYLIS SAXATILIS Briggs 1951, Proc. California Zool. Club, vol. 1, no. 11, p. 84, figs. 13 and 14.

Paratype (1): SU 16417; tide pool at Cape San Francisco, Ecuador. Collector: George S. Myers on the 1938 Hancock Pacific Expedition; February 23, 1938.
Holotype: Allan Hancock Foundation 1192.

GOBIESOX BARBATULUS Starks 1913, The Fishes of the Stanford Expedition to Brazil, Leland Stanford Jr. Univ. Publ., Univ. Ser., p. 73, pl. 14.

Holotype: SU 22210; tide pools at Natal, Brazil. Collector: Edwin C. Starks on the Stanford Expedition to Brazil; summer of 1911. *Paratypes* (3): SU 22521; data as for the preceding. While no single specimen was designated as holotype in the descriptive portion of the paper, Prof. Starks refers to the figured specimen as "type" on pl. 14. This is here considered type designation.

GOBIESOX EIGENMANNI Gilbert 1890, Proc. U.S. Nat. Mus., vol. 13, no. 797, p. 96.

Syntypes (1 or more specimens): SU 2618; San Cristóbal Bay, Baja California, México. Collector: Charles H. Townsend. This specimen (or specimens) has been lost, according to the Stanford register, probably in the earthquake.

GOBIESOX FUNEBRIS Gilbert 1890, Proc. U.S. Nat. Mus., vol. 13, no. 797, p. 95.

Lecto-paratypes (9): SU 20; La Paz harbor, Baja California, México. Collector: "Albatross"; March 12, 1889. *Lecto-paratype* (1): SU 17801; Puerto Refugio, Angel de la Guarda Island, Gulf of California, México. Collector: "Albatross"; March 29, 1889. Formerly U.S. Nat. Mus. 124955.
Lecto-holotype: U.S. Nat. Mus. 44378. While no type was selected in the original description, Schultz 1944, Proc. U.S. Nat. Mus., vol. 96, no. 3187, p. 77, gives the above U.S. Nat. Mus. number for the "type"—this amounting to a lectotype designation.

GOBIESOX HUMERALIS Gilbert 1890, Proc. Mus., vol. 13, no. 797, p. 95.

**Syntypes* (6): SU 70; Puerto Refugio, de la Guarda, Gulf of California. Colle batross; 1889.

GOBIESOX JURADOENSIS Fowler 1944, Proc. Sci. Philadelphia, vol. 96, p. 247, and 25.

Paratype (1): SU 17394; Río Juradó, Ch ince, Colombia; 600 feet elevation. C Kjell von Sneidern of the Colombian Z Survey; October, 1940.
Holotype: Acad. Nat. Sci. Philadelphia

GOBIESOX MACRURUS Briggs 1951, Proc. C Zool. Club, vol. 1, no. 11, p. 70 and 6.

Holotype: SU 16419; relatively high about 100 yards south of Punta Peñasco México. Collectors: Janet Haig and Clark the Stanford Natural History Club Exp March 19, 1948. *Paratypes* (23): SU 164 Peñasco Bay, Sonora, México. Collectors: Natural History Club Expedition; March *Paratypes* (81): SU 16420; Ensenada San F near Guaymas, Sonora, México. Collect Expedition; May 27, 1950.

GOBIESOX MUSCARUM Meek and Pierson 18 California Acad. Sci., ser. 2, vol. pl. 71.

Holotype: SU 3030; Monterey Bay, Cal about 8 fathoms. Collectors: Seth E. Charles J. Pierson; January, 1895.

GOBIESOX PARADISEUS Herre 1935, Field Hist., Publ. 335, zool. ser., vol. 12, p. 432.

Paratype (1): SU 24422; South Seymour Galápagos Archipelago. Collector: Albert Herre on the Crane Pacific Expedition; Ja 1929.
Holotype: Chicago Nat. Hist. Mus. 17404

GOBIESOX PINNIGER Gilbert 1890, Proc. Mus., vol. 13, no. 797, p. 94.

Syntypes (24): SU 44; La Paz harbor, B fornia, México. Collector: "Albatross"; 1889.

GOBIESOX RHESSODON Rosa Smith 1881, Pr Nat. Mus., vol. 4, no. 208, p. 140.

**Syntype* (1): SU 1403; Point Loma, Sa California. Collector: Charles R. Orc

GOBIESOX RHYACOPHILUS Briggs 1951, Proc. C Zool. Club, vol. 1, no. 11, p. 72, and 8.

. (19): SU 16424; fresh water stream
Watering Bay on Gorgona Island, Co-
ector: George S. Myers on the Hancock
dition; Feburary 24, 1938. *Paratype*
5; fresh water stream at Port Utria,
ollector as for the preceding; Febru-
.
Allan Hancock Foundation 1191.

ULTZI Briggs 1951, Proc. California
Club, vol. 1, no. 11, p. 67, figs. 3
.

SU 16426; tide pool on a rocky shore,
rlos Bay, Sonora, México. Collectors:
Giles W. Mead and Mr. and Mrs. Norman
y during the Mead Guaymas Expedition;
. *Paratypes* (3): SU 16427; data exact-
lotype. *Paratypes* (8): SU 36561; San
nd, Gulf of California. Collector:
alford; October 7, 1942.

RUMOSUS Cope 1870, Proc. Acad. Nat.
Philadelphia, p. 121.

1): SU 17410; Hilton Head, South Caro-
ector: Thomas J. Craven.

RGATULUS Jordan and Gilbert 1882, Proc.
at. Mus., vol. 5, no. 282, p. 293.

(1): SU 441; among ballast rocks in
Bay, Florida. Collector: David Starr
ch, 1882. *Paratype* (1): SU 1669; data
preceding.
U.S. Nat. Mus. 30861.

Order HAPLODOCI

Family BATRACHOIDIDAE

ES BOULENGERI Gilbert and Starks 1904,
California Acad. Sci., vol. 4, p. 182,
1, figs. 57 and 57a.

: SU 6487; Panamá. Collectors: Charles
et al; January 10-February 24, 1896.
(1): SU 12816; data as for holotype.
1): SU 12815; data as for holotype.

GREENEI Gilbert and Starks 1904, Mem.
ornia Acad. Sci., vol. 4, p. 184, pl. 30,
56.

: SU 6485; tide pools of the Panamá reef.
: Charles H. Gilbert et al; January 10-
24, 1896. *Paratypes* (12): SU 6512; data
for holotype.

S *NAUTOPAEDIUM* Jordan and Bollman 1890,
. U.S. Nat. Mus., vol. 12, no. 770, p.

es (6): SU 227; Indefatigable Island,
Archipelago. Collector: "Albatross";
.
: U.S. Nat. Mus. 41145.

THALASSOPHRYNE BRANNERI Starks 1913, The Fishes of the Stanford Expedition to Brazil, Leland Stanford Jr. Univ. Publ., Univ. Ser., p. 72, pl. 13.

Holotype: SU 22223; lagoon, some miles above Natal, Brazil. Collector: Edwin C. Starks on the Stanford Expedition to Brazil; summer of 1911.

Order PEDICULATI

Family LOPHIIDAE

LOPHIONUS LITULON Jordan, in: Jordan, assisted by Sindo 1902, Proc. U.S. Nat. Mus., vol. 24, no. 1261, p. 364, fig. 1.

Holotype: SU 4701; Tokyo, Japan. Collector: Keinosuke Otaki. *Paratypes* (2): SU 7749; Wakanoura, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900.

LOPHIONUS MIACANTHUS Gilbert 1905, Bull. U.S. Fish Comm., vol. 23 for 1903, part 2, p. 691, fig. 273.

Paratype (1): SU 8631; Station 3998, vicinity of Kauai Island, Hawaiian Islands (Ukula Point, S. 71°, E. 9.7'); 228-235 fathoms. Collector: "Albatross"; June 14, 1902.
Holotype: U.S. Nat. Mus. 51627.

Family ANTENNARIIDAE

ANTENNARIUS AVALONIS Jordan and Starks 1907, Proc. U.S. Nat. Mus., vol. 32, no. 1510, p. 76, fig. 8.

Holotype: SU 9979; bay of Avalon, Santa Catalina Island, southern California. Collector: David Starr Jordan (the Stanford register gives Jordan and Holder); May, 1906.

ANTENNARIUS DRONBUS Jordan and Evermann 1903, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 207.

Paratype (1): SU 7472; on the reef at Waikiki, near Honolulu, Hawaiian Islands. Collectors: David Starr Jordan and Barton W. Evermann; 1901.
Holotype: U.S. Nat. Mus. 50659.

ANTENNARIUS DUESCUS Snyder 1904, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 537, pl. 13, fig. 24.

Paratype (1): SU 7736; Station 3872, between Maui and Lanai Islands, Hawaiian Islands (Mokuhooniki Islet, N. 3°, E. 16.6'); 32-43 fathoms. Collector: "Albatross"; April 12, 1902.
Holotype: U.S. Nat. Mus. 50884.

ANTENNARIUS LAYSANIUS Jordan and Snyder 1904, Proc. U.S. Nat. Mus., vol. 27, no. 1377, p. 947.

Holotype: SU 8439; Laysan Island, Hawaiian Islands. Collector: Max Schlemmer.

ANTENNARIUS LITHINOSTOMUS Jordan and Richardson 1908, Bull. U.S. Bureau Fish., vol. 27 for 1907, p. 286, fig. 12.

Holotype: SU 20204; Cuyo, Philippine Islands. Collector: Richard C. McGregor.

ANTENNARIUS NEXILIS Snyder 1904, Bull. U.S. Fish Comm., vol. 22 for 1902, p. 537, pl. 13, fig. 23.

Paratype (1): SU 7735; Honolulu, Hawaiian Islands. Collector: "Albatross"; 1902.
Holotype: U.S. Nat. Mus. 50883.

ANTENNARIUS NOX Jordan, in: Jordan, assisted by Sindo 1902, Proc. U.S. Nat. Mus., vol. 24, no. 1261, p. 375, fig. 6.

Holotype: SU 7603; Nagasaki, Japan. Collectors: David Starr Jordan and John O. Snyder; summer of 1900. *Paratype* (1): SU 7601; Wakanoura, Kii, Japan. Collectors and date as for holotype. *Paratypes* (2): SU 7599; Misaki, Sagami, Japan. Collectors and date as for the preceding.

ANTENNARIUS SANGUIFLUUS Jordan, in: Jordan, assisted by Sindo 1902, Proc. U.S. Nat. Mus., vol. 24, no. 1261, p. 374, fig. 5.

Holotype: SU 7600; Misaki, Japan. From the Imperial Museum.

ANTENNARIUS TAGUS Heller and Snodgrass 1903, Proc. Washington Acad. Sci., vol. 5, p. 226, pl. 20.

Holotype: SU 6351; Tagus Cove, Albemarle Island, Galápagos Archipelago. Collectors: Robert E. Snodgrass and Edmund Heller; 1898-1899.

Family OGCOCEPHALIDAE

HALIEUTAEA RETIFERA Gilbert 1905, Bull. U.S. Fish Comm., vol. 23 for 1903, part 2, p. 696, pl. 101.

Paratypes (3): SU 8532; Hawaiian Islands, from the following Stations: Station 3810, south coast of Oahu Island (Honolulu Light, N. 4°, W. 3.9'); 238-252 fathoms. Collector: "Albatross"; March 27, 1902. Station 3855, south coast of Molokai Island (Mokuhooniki Islet, N. 50° 15', E. 11'); 127-130 fathoms. Collector: "Albatross"; April 9, 1902. Station 4135, vicinity of Kauai Island, Hawaiian Islands (Hanamaulu warehouse, S. 31° 31', W. 6.2'); 225-294 fathoms. Collector: "Albatross"; August 1, 1902. Specimens mixed, in one bottle.
Holotype: U.S. Nat. Mus. 51597.

HALIEUTAEA SPONGIOSA Gilbert 1890, Proc. Mus., vol. 13, no. 797, p. 124.

Syntypes (4): SU 9544; Station 2932, gedo Islands (18° 17' 30" North Latitude 15" West Longitude); 460 fathoms. "Albatross"; March 6, 1889.

MALTHOPSIS JORDANI Gilbert 1905, Bull. Comm., vol. 23 for 1903, part 2 fig. 100.

Paratypes (5): SU 8647; Station 4103 Channel, between Maui and Molokai Islan ian Islands (Mokuhooniki Islet, 3° 30', 122-143 fathoms. Collector: "Albatross" 1902.
Holotype: U.S. Nat. Mus. 51625.

MALTHOPSIS MITRIGER Gilbert and Cramer 1 U.S. Nat. Mus., vol. 19, no. 111 figs. 1 and 2.

Paratypes (2): SU 4915; Station 3467 Islands (21° 13' North Latitude, 157° 4 Longitude); 310 fathoms. Collector: "A December 3, 1891.
Holotype: U.S. Nat. Mus. 47700.

Family LINOPHRYNIDAE

ALLECTOR CHELONIAE Heller and Snodgr Proc. Washington Acad. Sci., vol. fig. 1.

Holotype: SU 6342; between Clipperton Galápagos Archipelago (label in bottl miles north of Culpepper Island, Galápag ach of green turtle. Collectors: Rober grass and Edmund Heller; 1898-1899.

Order HYPOSTOMIDES

Family PEGASIDAE

PEGASUS PAPILIO Gilbert 1905, Bull. Comm., vol. 23 for 1903, part 2, p. 239.

Paratypes (2): SU 8646; Station 4164, Island, Hawaiian Islands (center of Ba N. 84°, E. 18.5'); 40-56 fathoms. "Albatross"; August 8, 1902.
Holotype: U.S. Nat. Mus. 51549.

ZALISTES UNITENGU Jordan and Snyder 1 U.S. Nat. Mus., vol. 24, no. 1241, 1 and 2.

Holotype: SU 6518; Wakanoura, Provin Japan. Presented to Stanford by the Is seum of Tokyo, Japan.

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A MINUTE NEW HERRING-LIKE CHARACID FISH GENUS ADAPTED FOR PLANKTON FEEDING, FROM THE RIO NEGRO[1]

By J. Böhlke

The new genus of small characids described in this paper serves once again to illustrate the tremendous variety of structure and multiplicity of forms exhibited by these tiny fishes. While this great array of structural adaptations has not yet been correlated by observation with the ecology of the species in any but a few instances, some knowledge of the habits of a number of them can be determined by inference. We can infer certain of a fish's habits from its morphological make-up or by a comparison with other structurally similar species whose habits are known. Both these means were utilized in determining that the new genus is probably an open water, schooling, plankton-feeding organism. The greatly upturned, nearly toothless mouth and the long, numerous gill rakers offer the morphological basis for this assumption while its similarity to certain plankton-feeding clupeoids permits comparison with forms of known habits.

In discussing how some of the characids parallel members of various of the North American fresh-water groups, Eigenmann (1905, p. 61) states: "Our shads and fresh-water herrings have their counterparts in *Elopomorphus* [a synonym of *Anodus*], *Potamorhina* and *Psectrogaster*;..." These are all members of the Anodinae and Curimatinae, none belonging to the cheirodontine characids with which group *Thrissobrycon* is related. *Genycharax* Eigenmann has the appearance of an open water plankton-feeder, although Eigenmann's statement (in Eigenmann and Myers 1929, p. 453) that it is "A game fish of the upper Cauca River" would see clude this possibility.

THRISSOBRYCON, new genus

Generic type: *Thrissobrycon pecti* species.

Not closely allied to any of the characids. It is distinguished from all its greatly upturned, almost toothless greatly expanded, clupeoid-like maxill two anterior projections; and the very and numerous gill rakers.

The new form was thought to be c toothless until mouth bones were diss one side of the paratype and examined fully. The systematic position of th still open to some doubt, but it appears ably to have been derived from the grou odontine characids containing the genera and *Macropsobrycon*. It combines specia tures possessed by these genera plus sev are peculiar to itself. It has the upt of *Aphyoditе* (though much more upturned duced dentition of *Macropsobrycon* (th more reduced), the broad maxillary of *L* (though broader), the large fontanels *lamphodus* (though still larger), and th form shape of *Microschemobrycon*.

Mouth vertical. Mandibles each wit tremely tiny teeth at the very front, s those in Eigenmann's figure (1915, p. dentition of *Macropsobrycon uruguayanae* smaller. Maxillary extremely broad, reaching just slightly past anterior ma Premaxillaries greatly reduced, with

[1] This description constitutes no. 3 of the series "Studies on fishes of the family Characidae." The first two numbers appeared in the Ann. Mag. Nat. Hist., ser. 12, vol. 5 (1952).

is possible that several more teeth were
nt ut have been lost from the paratype, the
me which was most carefully examined). In
as to all the cheirodontines examined by the
r, nd all those whose mouth bones were fig-
by igenmann (1915), the maxillary of *Thrisso-*
n as two forward projections (dorsad and
ad o the premaxillary) rather than the sin-
ior al projection of all the others. Thus,
y ne-half the lower edge of the extremely
ed premaxillary fits between the two maxill-
ro ctions and could not bear teeth.
es suborbital large, nearly covering cheek,
ea ng a very narrow naked space between its
d posterior edges and the preopercle.
row postorbitals not nearly covering area
ye and vertical limb of preopercle. Mid-
nd lower postorbitals of equal length, the
west. Upper and middle postorbitals very
w, early their entire substance forming the
al line canal. Upper postorbital very small,
ou h or one-fifth length of the lower two.
nt nels very extensive. Parietal fontanel

upper Rio Negro at Cucuhy (São Antonio), Brazil; February 12, 1925. The place was spelled Cucuhy by Rice (1921, pp. 325 and 326, and on the folding map), and Cucuy on the American Geographic Society's Millionth Maps of Hispanic America. This locality is at approximately 1° 12' North Latitude, 66° 51' West Longitude.

Paratype: 1 specimen, Stanford 16945, 24 mm. in standard length, collected by Dr. Carl Ternetz in the upper Rio Negro, from a sandbank on the Colombian border; February 14, 1925. Measurements and counts were made on this specimen which was then stained for a careful examination of the mouth parts. The soft parts of the fish were somewhat shrunken in the staining process.

Description (the proportions in parentheses are for the paratype): A slender, elongate, and rounded characid. Greatest body depth 1.1 (1.2) in head, 4.8 (5.3) in standard length. Body tapering evenly to peduncle, the least depth of which is contained 2.2 (2.2) times in length of head. Head 4.4 (4.4) in standard length. Diameter of eye 2.6 (2.8) in head. Interorbital flat or but

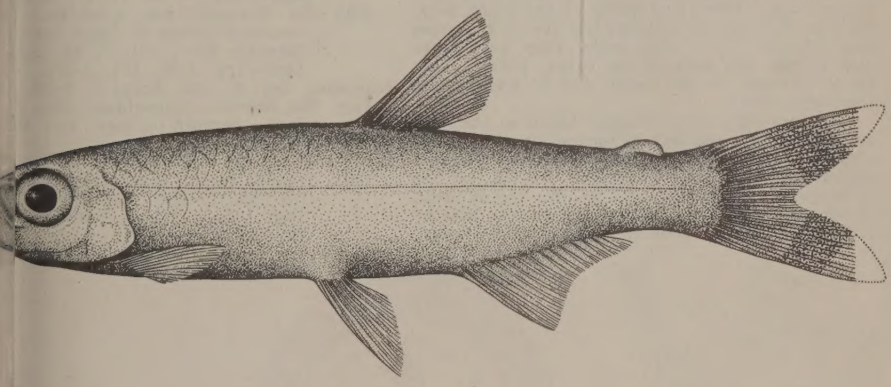

FIG. 1. Holotype of *Thrissobrycon pectinifer*, SU 16944, 28.5 mm. in standard length. Illustration by Miss Janet Roemhild.

rly large, very wide, with convex lateral
e the entire fontanel oval-shaped. Frontal
e also uncommonly extensive, widest poster-
. mpletely separating frontals.
al line incomplete, its exact extent not
r ble because of the loss of most of the
s rom the type specimens. Predorsal region
rly scaled. Preventral scalation normal,
a egular series of ordinary-sized scales.
mpanum absent. Adipose dorsal fin present,
eloped. No prolongation of opercles, mod-
ales, or caudal gland (unless, of course,
t type specimens are females and the males
e different).

hrissobrycon pectinifer, new species

ype: Stanford 16944, 28.5 mm. in stan-
gth, collected by Dr. Carl Ternetz in the

slightly convex, its least width 3.3 (3.7) in head. Maxillary thin, broad, as wide as pupil at its broadest point, its length 2.6 (2.8) in length of head. Maxillary very wide and flat, not pointed, at its posterior end, its upper edge thickened into a ridge. Mouth nearly vertical, lower jaw almost completely included by maxillaries when mouth is closed. Jaw bones and teeth as under the generic discussion. Snout short, 4.3 (3.7) in length of head. Nostrils close together, on a line between top of eye and tip of snout, separated by a thin flap. Great suborbital large but leaving a narrow naked space around its entire margin. Three postorbitals, of which the upper is small. Fontanels as under generic description. Gill rakers long (about equal in length to the gill filaments or slightly longer), slender, and rather numerous, about 24 or 25 on lower limb of first gill arch.

Scales moderate, cycloid, deciduous, about 31 or 32 in a lateral series and about 7 or 8 in a transverse series between dorsal and anal origins, as determined largely by a count of scale pockets.

Most scales have been lost from the types, but it has been ascertained that the lateral line is not complete. About 11 or 12 predorsal scales. Dorsal fin inserted slightly behind mid-point of standard length, its greatest height equal to length of head in holotype; broken off in paratype. Distance of dorsal insertion from tip of snout 1.9 (1.9) in standard length. Dorsal with ii,9 rays. Anal with iii,17 rays, its origin behind last dorsal ray, the distance of its insertion from tip of snout 1.5 (1.6) in standard length. Anal fin lobed anteriorly, height of lobe contained 1.4 (1.4) in length of head. Ventral fins i,7-i,7, long and low, barely reaching anal origin, the distance from tip of snout to their bases 2.1 (2.2) in standard length; ventral fin length 1.2 (1.2) in head, 5.2 (5.3) in standard length. Pectorals of about i,14 rays inserted low on sides, not reaching base of ventrals, their length contained 1.2 (1.2) in length of head, 5.2 (5.3) in standard length. Adipose dorsal fin present, its distance from tip of snout 1.2 (1.2) in standard length.

Color in alcohol light brown, with heavier pigmentation dorsally and ventrally and along base of anal fin. A median silvery stripe along body. The most distinctive markings are the dark stripes about halfway out on each caudal lobe, perpendicular to the long axes of the lobes, placed similarly to those on the caudal fin of *Hoenkhausia dichroura* (Kner).

The following measurements, taken on the type specimens, are expressed in hundredths of standard length (second figure refers to paratype): Length of head 23, 23; greatest depth of body 21, 19; tip of snout to origin of dorsal 53, 52; tip of snout to adipose dorsal 84, 83; tip of snout to base of ventrals 47, 46; tip of snout to origin of anal 65, 65; least depth of caudal peduncle 9, 8; length of snout 5, 6; diameter of eye 9, 8; width of interorbital 7, 6; length of maxillary 8; length of pectoral fins 19, 19; length of ventral fins 19, 19; height of dorsal fin 16, 17; height of anal lobe 16, 17.

The generic name *Thrissobrycon* from *thrissos*, a kind of fish (clupeoid), and from the Greek *brykon*, to gnaw or to pieces (after the characid genus *Brycon*). The generic name is supposed to refer to the fish with the appearance of a clupeid. The specific name *pectinifer*, meaning comb-like, is from Latin *pecten*, a comb. This refers to the condition of the gill rakers.

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